

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
10 ST. NW	NORTH	11	147	96	102° 52.344'	N47° 33.829'
10 ST. NW	SOUTH	11	147	96	N102° 52.346'	N47° 33.822'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Del Olson
 Vice President, Land and Right of Way County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-15-16
 Dated

ND-DU-019.920
 10 St. NW

Temp
Temp

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

10 St. NW (S-11 T-147 R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-Du-019.920
10 St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

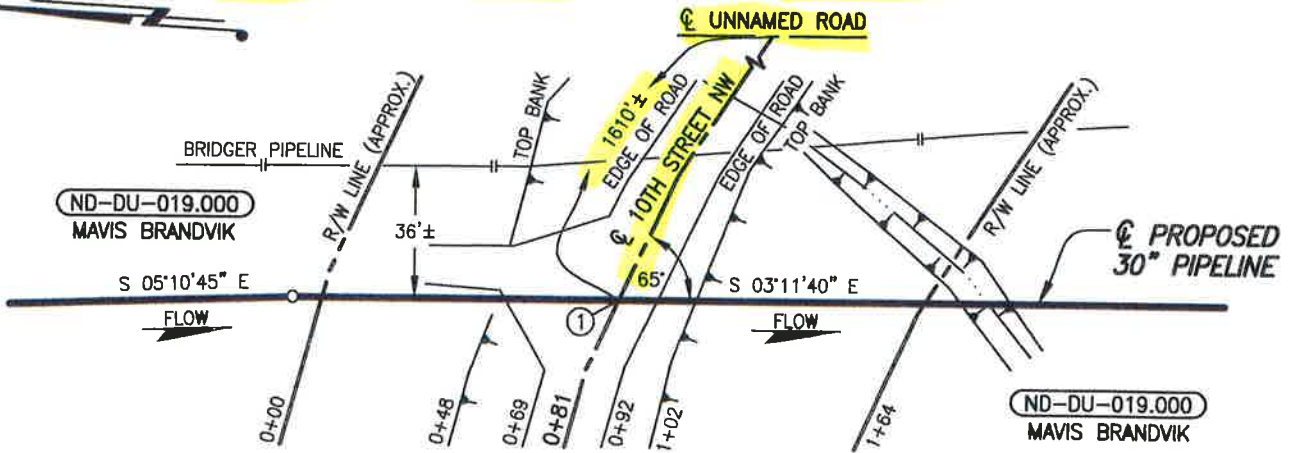
Last revised 10/04/13

ND-DU-019.920

10 St. NW

DUNN COUNTY, NORTH DAKOTA

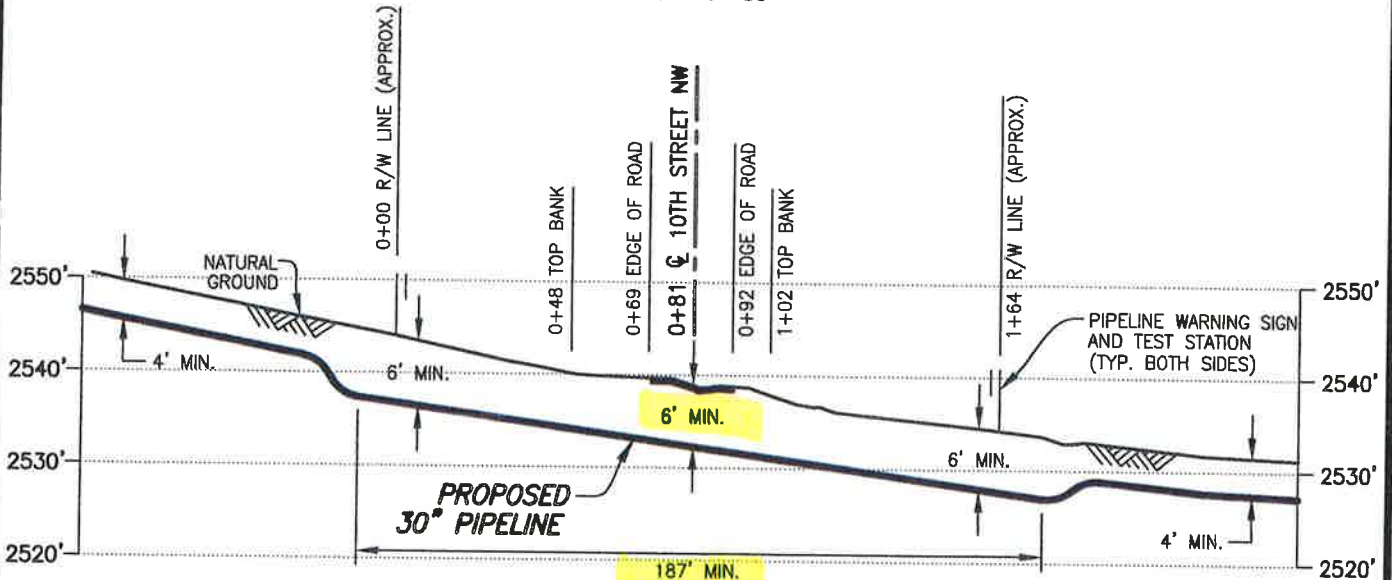
SECTION 11, TOWNSHIP 147 NORTH, RANGE 96 WEST



ND-DU-019.920

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.

1"=20' VERT.

① X=2165465.87
Y=17290011.81

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: Q 10TH STREET NW AT STA. 0+81, ELEV. 2538.89'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

19.920.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

15:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-

FILE: R:\

REV.	DATE	BY	DESCRIPTION	CHK.
A	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 10TH STREET NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 08/07/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-DU-019.920	A
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

109 AVENUE NW (S-1413)(T-147)(R-96)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeded thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-021-900
109 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

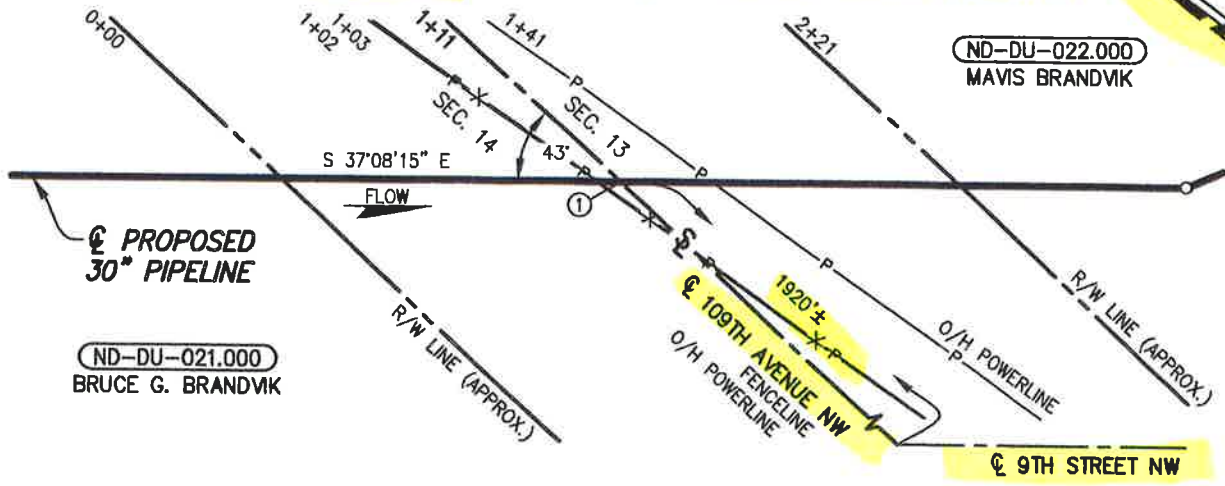
58503

Last revised 10/04/13

ND-DU-021.900
109 Ave NW

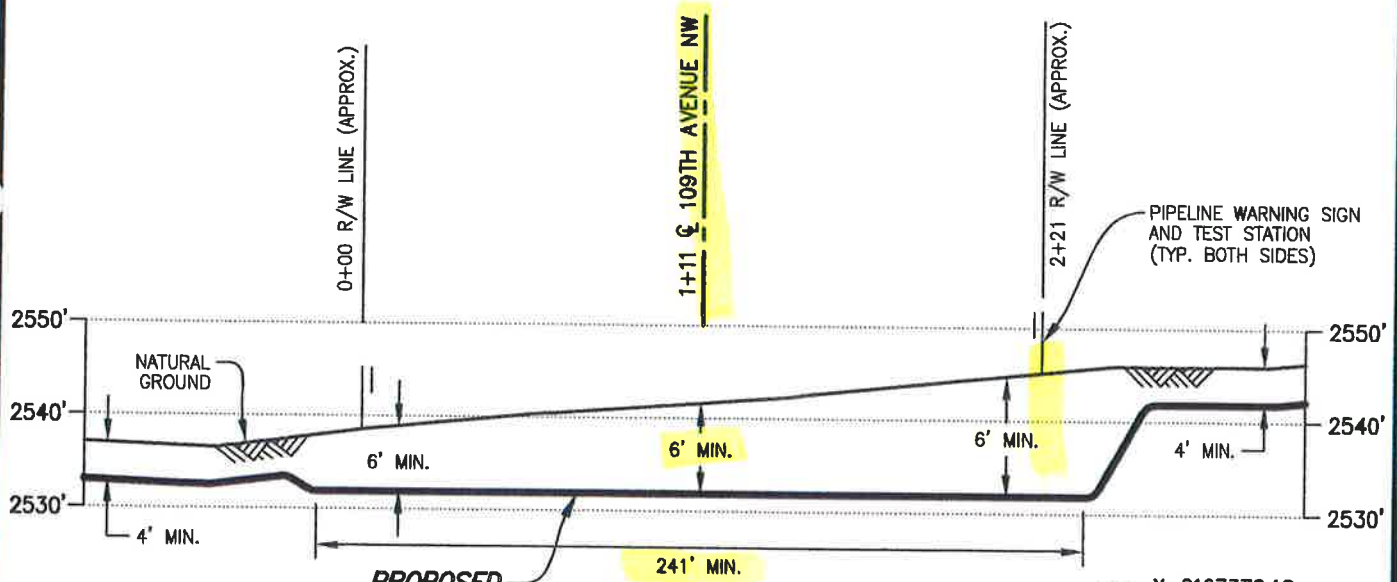
DUNN COUNTY, NORTH DAKOTA

SECTIONS 14 & 13, TOWNSHIP 147 NORTH, RANGE 96 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 109TH AVENUE NW AT STA. 1+11, ELEV. 2541.58'

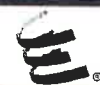
① X=2167378.18
Y=17285496.71

FILE: R c:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-N 021.900.dwg PLOT DATE: 10/26/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	10/23/15	RG	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 109TH AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 06/24/15	DWG. NO.	REV.
CHECKED BY: MM	DATE: 10/23/15	ND-DU-021.900	A
SCALE: AS SHOWN	APP.: RC		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

9 ST. NW (S-13/24)(T-147)(R-96)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-022.910
9 ST. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-022.910

9 St. NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
9 St. NW	NORTH	13	147	96	W102°56.787'	N47°32.744'
9 St NW	SOUTH	24	147	96	W102°51.783'	N47°32.757'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	yes	18" Both Sides

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

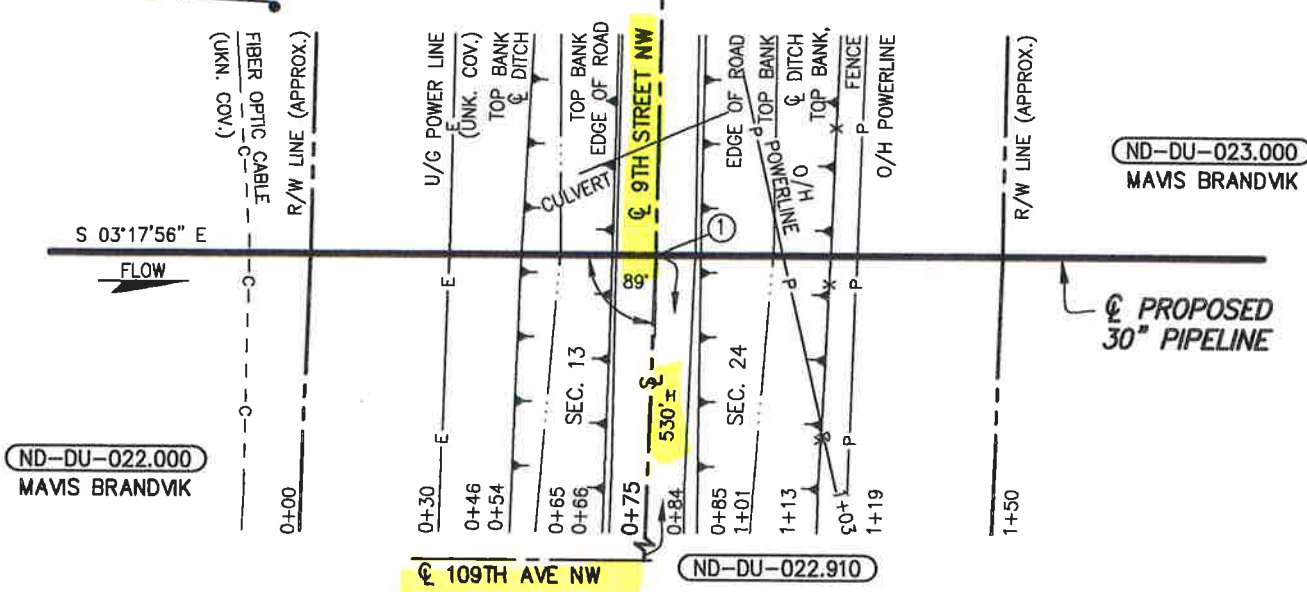
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

2-24-16
 Dated

ND-DU-022.910
 9 St. NW

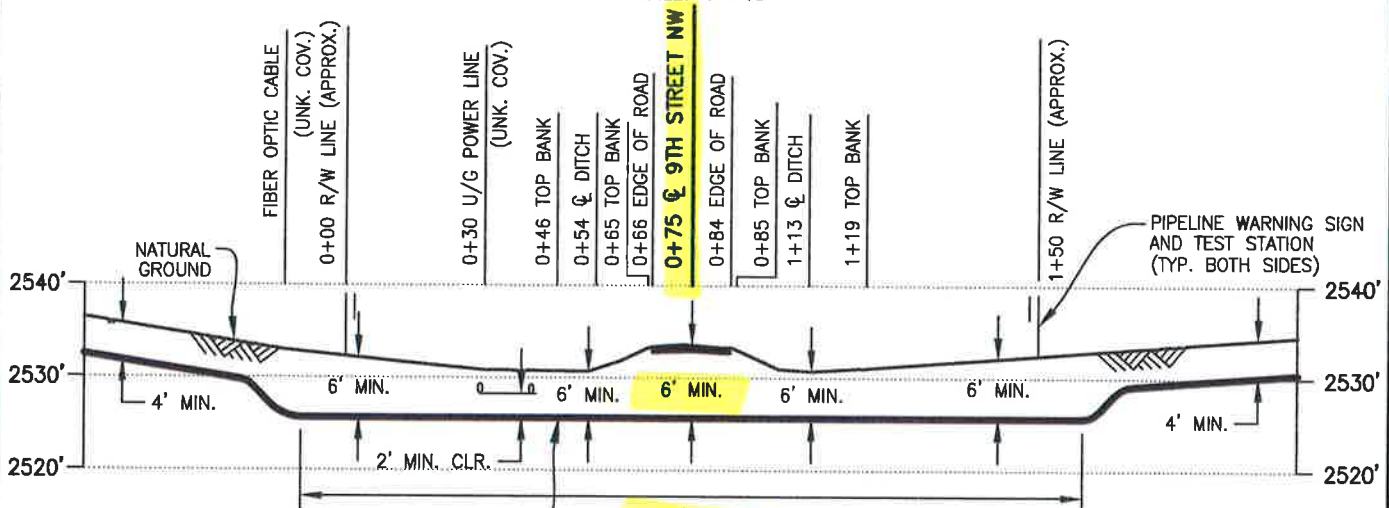
DUNN COUNTY, NORTH DAKOTA

SECTIONS 13 & 24, TOWNSHIP 147 NORTH, RANGE 96 WEST



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 9TH STREET NW
 AT STA. 0+75, ELEV. 2533.72'

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	RG	ISSUED FOR USE/PERMIT	RC
A	07/01/15	RG	ISSUED FOR USE/PERMIT	EDF



PROPOSED 30" DAPL PIPELINE CROSSING 9TH STREET NW

PROJECT NO. 10395700

DUNN COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: RG	DATE: 06/24/15	DWG. NO.	REV.
CHECKED BY: EDF	DATE: 07/01/15	ND-DU-022.910	B
SCALE: AS SHOWN	APP.: RC		

COUNTY\103957-PB-ND-DU-022.910.dwg PLOT DATE: 12/29/2015 BY: MUALLEM, MIKE

9.com\gib\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\

FILE: \\mus

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

8 St. NW (S24/25)(T-147)(R-96)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

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Last revised 10/04/13

ND DU-023.900
8 St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
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WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

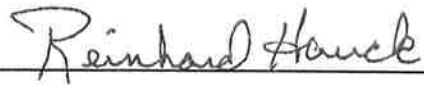
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

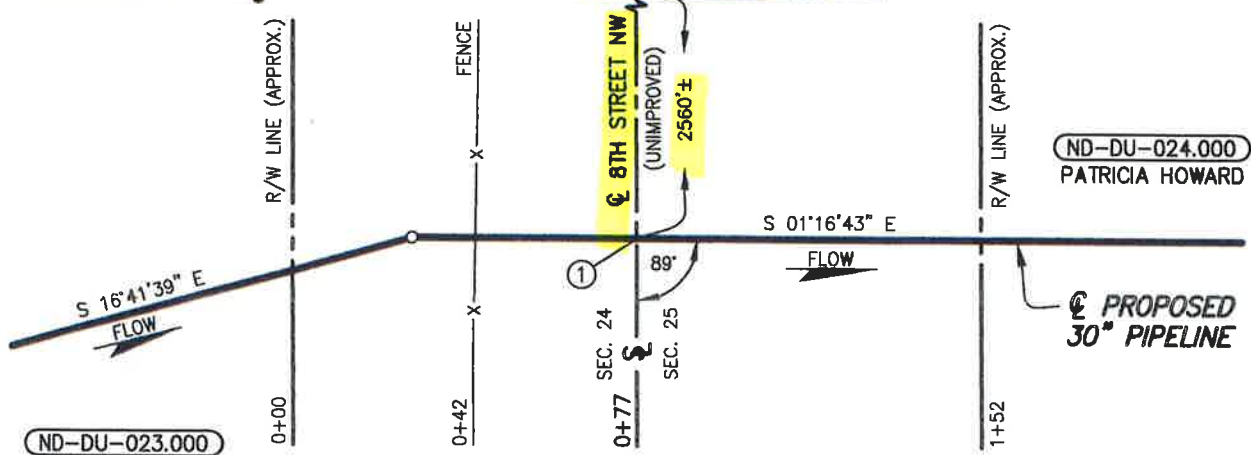
TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489
Last revised 10/04/13 ND-DU-023.900
8 St. NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 24 & 25, TOWNSHIP 147 NORTH, RANGE 96 WEST

STATE HIGHWAY 22



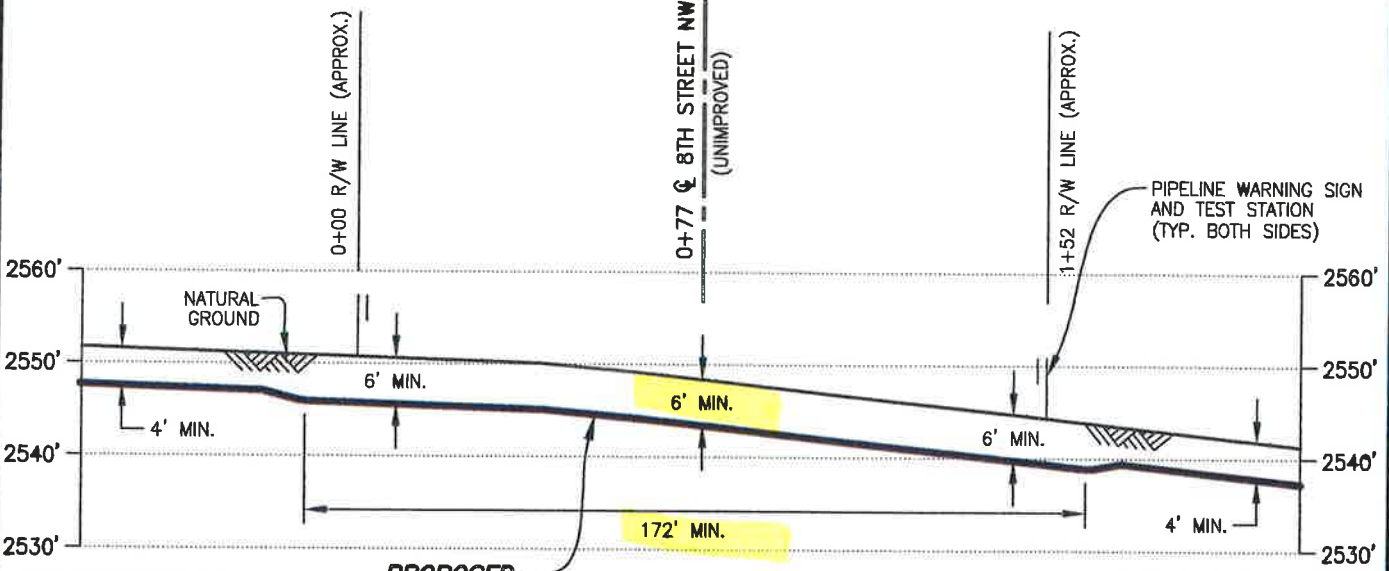
ND-DU-023.000
MAVIS BRANDVJK

ND-DU-023.900

ND-DU-024.000
PATRICIA HOWARD

PLAN

SCALE: 1"=40'



PROPOSED
30" PIPELINE

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2170338.34
Y=17278272.27

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 8th STREET NW (UNIMPROVED) AT STA. 0+77, ELEV. 2548.40'

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	09/04/15	OP	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 8TH STREET NW (UNIMPROVED)

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 05/10/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-DU-023.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-3.900.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

cm# 65160384

Document Number 16022	(FOR STATE USE ONLY)	Permit Number 52602
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APPLICANT INFORMATION

Prepared Company Name CONTRACT LAND STAFF		Prepared by CLAIRE CUNNINGHAM	
Owner of Facility DAKOTA ACCESS, LLC	City Houston	State TX	Zip Code 77002
Mailing Address 1300 MAIN STREET			Telephone Number
Owner's Agent Claire Cunningham	City Hoodweiss Ave Bismarck	State ND	Zip Code 58503
Owner's Contractor J	City	State	Telephone Number 802-989-2489

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility crude oil pipeline - Cathodically protected		
Size of Facility 30" Steel	Number of Cables	Length of Down Guys
Pipeline Pressure MOP 1440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 2017

Company Name DAKOTA ACCESS, LLC	Owner's Name (Please Print) Robert Ross
DATE 1/29/16	OWNER'S SIGNATURE [Signature]

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 18 day of March, 2016.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Lawrence Gough
DISTRICT ENGINEER (TYPE OR PRINT)
Lawrence Gough
SIGNATURE

ND-DU-026-900

SH 22

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 117.8220 End Ref. Point 17.8220

Highway No. 22 Along or Across Lanes of traffic 2 4

Direction N S E W Begin 4340' feet from reference marker 117

Direction N S E W End 940' feet from reference marker 118'

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

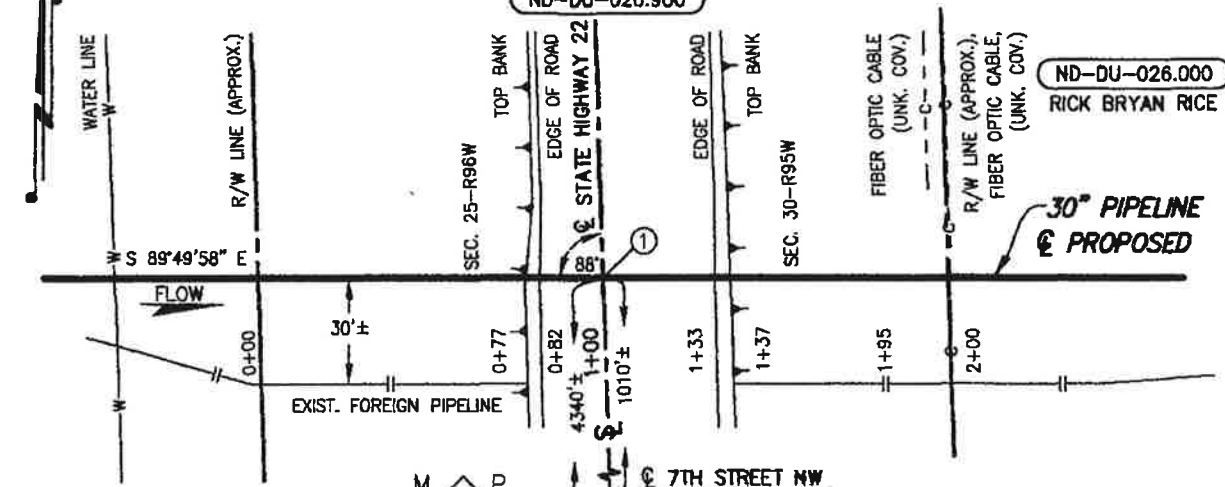
INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

ND-DU-026.900
SH 22

DUNN COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 147 NORTH, RANGES 95 & 96 WEST

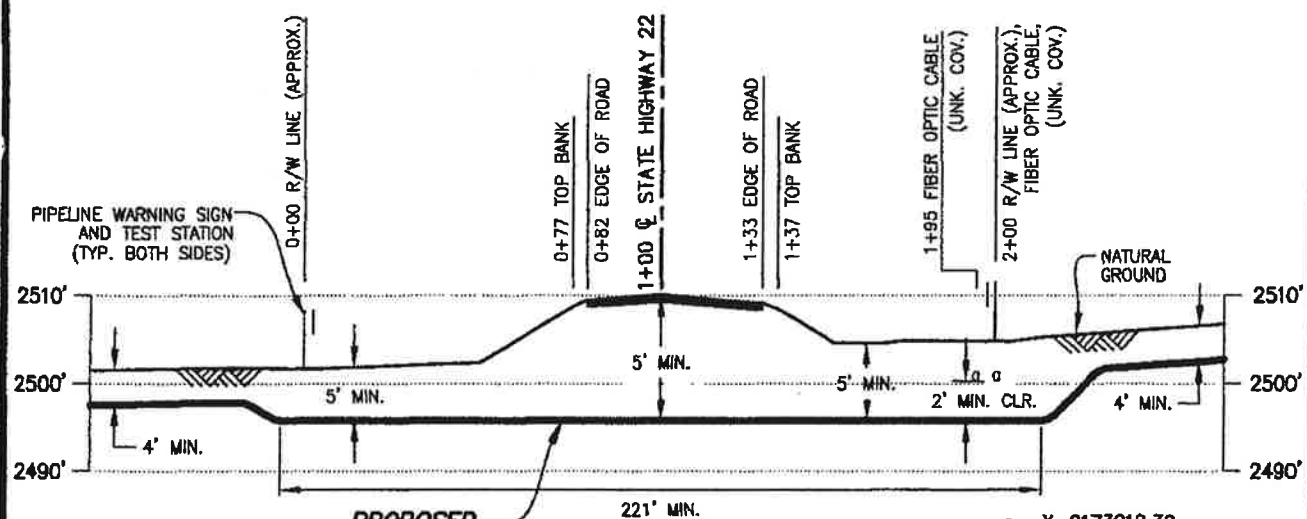
ND-DU-026.900



ND-DU-026.000
RICK BRYAN RICE

ND-DU-024.000
PATRICIA HOWARD

PLAN
SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=2173018.39
Y=17274103.68

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: @ STATE HIGHWAY 22
 AT STA. 1+00, ELEV. 2510.10'

FILE: R:\s\103957\DISCIPLINE\CAD\DRAWINGS\03-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-6.900.dwg PLOT DATE: 10/13/2015 BY: GARCIA, REFUGIO

D	10/13/15	RG	ISSUED FOR USE/PERMIT	RC
C	10/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	08/04/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 22

PROJECT NO. **10395700**



DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: ET	DATE: 01/06/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-026.900	D
SCALE: AS SHOWN	APP.: RC		

**Suggested Utility Conditions for Oil/Gas Along and/or Across
Primary and Secondary Highways**

April 1, 2003

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

1. **INSTALLATION AND MAINTENANCE:** Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:
2. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
3. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities.
4. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
5. [REDACTED]
6. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
7. For highway crossings, the buried telephone wire or cable shall be installed under the surfaced sections by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
8. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. Open trenches and pits shall be barricaded if left unattended.
9. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.
12. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
15. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.



ND-DU-026.900

SH 22

CLS LiNK GIS Viewer

CLS Contract



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:		FAX (A/C, No):	
	PHONE (A/C, No, Ext):		E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE			NAIC #	
INSURER A: Old Republic Insurance Company			24147	
INSURER B:				
INSURER C:				
INSURER D:				
INSURER E:				
INSURER F:				

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INBR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NE) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER**CANCELLATION** See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 608 EAST BOULEVARD AVE.
 BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability insurance** – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

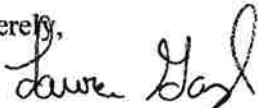
Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



JOEL M. WITT LAWRENCE CANCEL
Wilton District Engineer
Dickinson

UTILITY OCCUPANCY APPLICATION AND PERMIT

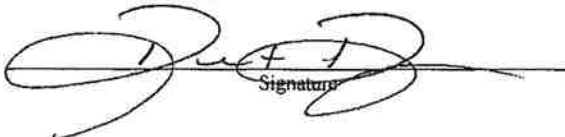
Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

Robert Rose

Vice President, Land and Right of Way

Type or Print Name & Title


Signature

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1602 *CM#65110387*

District Number C5

TEMPORARY ONLY

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET	City HOUSTON	State TX	ZIP Code 77002

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp	<input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route 22
Location Approximately 4340' NORTH		
Town	Highway SH 22	Mile Marker Number 117.8225
Description of proposed work on state right of way and type of business served. Temporary Driveway off SH 22 for pipeline construction		

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and slopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

ROBERT ROSE
Name (Type or Print)

[Signature]
Signature

Vice President, Land and Right of Way
Title

1/22/14
Date

Permit granted:
3/18/14
Date

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

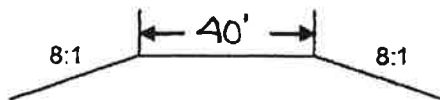
Lawrence Gungl
District Engineer (Type or Print)

[Signature]
Signature

3/18/14
Date

Construction shall be completed by:
10/1/14
Date

Sketch:



(Original to District File, copy to Applicant)

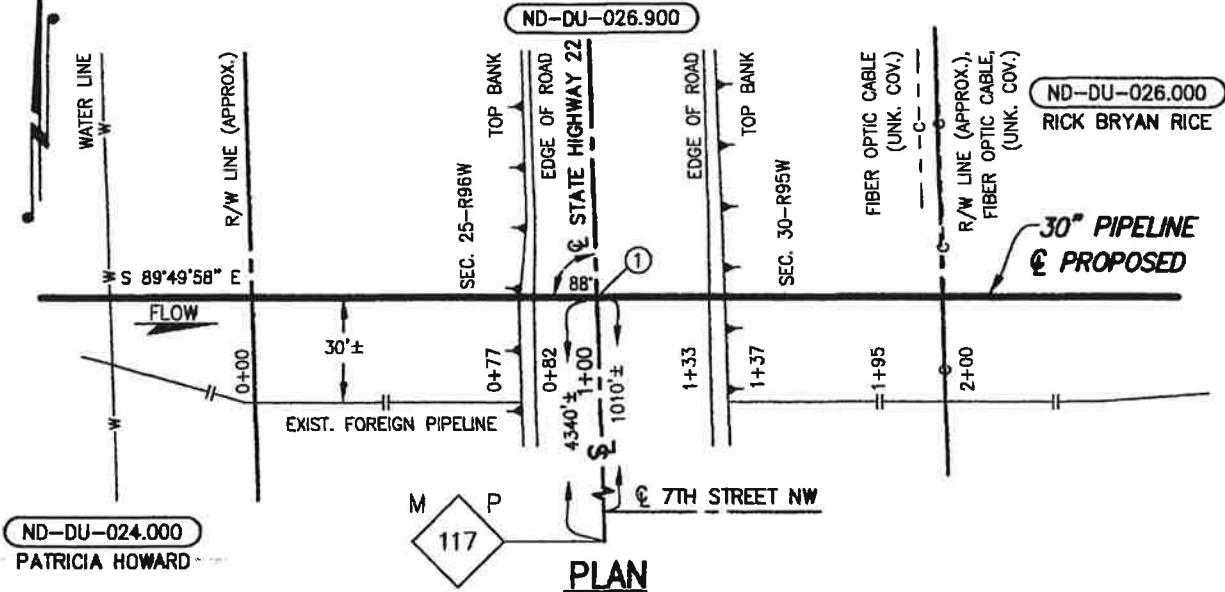
ND-DU-026.900
SH 22

DRIVEWAY PERMIT SPECIFICATIONS

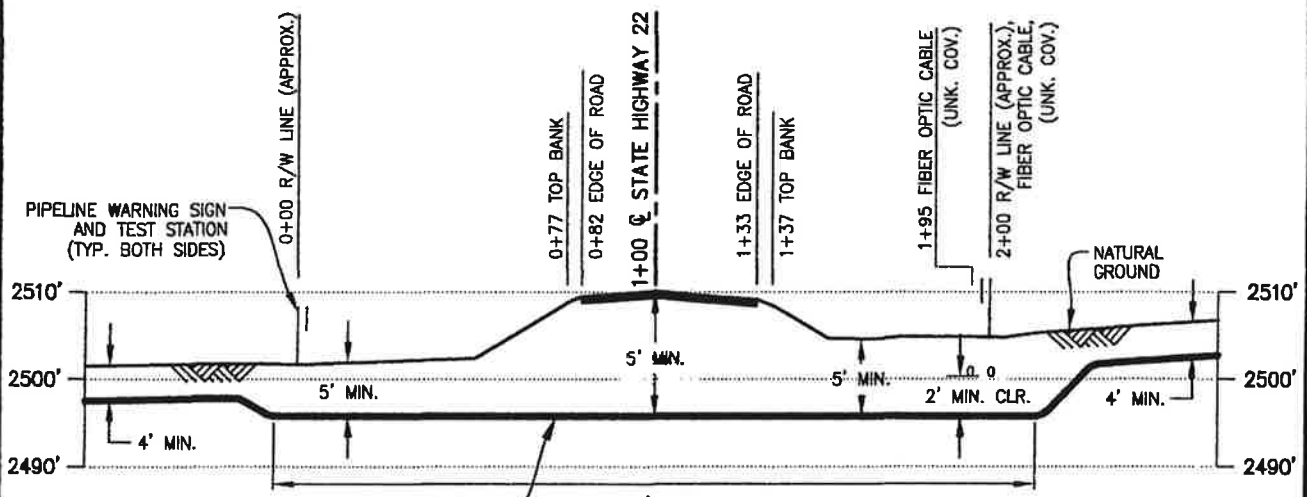
1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns: except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicant's property.
6. No driveway, or improvement constructed on the highway right-of-way shall be altered or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. Wetland: The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that 1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, 2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, 3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
12. That in the event of breach of any of the above non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
13. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
14. District Engineer to provide copy of approved permit to NDDOT, Planning and Asset Management, Pavement Management Division.

DUNN COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 147 NORTH, RANGES 95 & 96 WEST



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2173018.39
 Y=17274103.68
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot STATE HIGHWAY 22
 AT STA. 1+00, ELEV. 2510.10'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957--PB--ND--6.900.dwg PLOT DATE: 10/13/2015 BY: GARCIA, REFUGIO

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/13/15	RG	ISSUED FOR USE/PERMIT	RC
C	10/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	06/04/15	RG	ISSUED FOR USE/POERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC



**PROPOSED 30" DAPL PIPELINE CROSSING
STATE HIGHWAY 22**

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: ET	DATE: 01/06/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-026.900	D
SCALE: AS SHOWN	APP.: RC		

Urlacher, Belinda J.

From: Christensen, Robert C.
Sent: Thursday, March 24, 2016 8:27 AM
To: Urlacher, Belinda J.
Subject: RE: New Approaches

Belinda,

I spoke to the NDSHPD and to the Dakota Access Pipeline environmental lead and all of the Dakota Access Pipeline temporary approaches have been reviewed for their project by SHPD. I have asked the State Archaeologist (Paul Picha) to inform me of any sites or issues within our ROW that arise, and Paul said that there were none. Therefore, I will not be reviewing the individual Dakota Access Pipeline temporary access requests. Please consider all of them approved for cultural resources.

-----Original Message-----

From: Urlacher, Belinda J.
Sent: Friday, March 18, 2016 9:48 AM
To: Christensen, Robert C. <rchrste@nd.gov>
Subject: New Approaches
Importance: High

Bob,

Attached are a couple sites that Dakota Access plan to use as temporary approaches. Both locations are in a cut area and also along the Knife River.

Also included is their description as to how much area they plan to cut.
And of course these guys are ready to start!

Belinda Ballweber-Urlacher
District Materials Coordinator
Dickinson District
1700 3rd Ave West, Ste 101
Dickinson, ND 58601-3009
Office: 701-227-6520
Fax: 701-227-6505
Cell: 701-290-8288

"You can complain because roses have thorns, or you can rejoice because thorns have roses!" Ziggy

-----Original Message-----

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09





CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

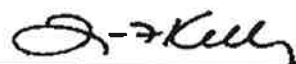
PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Old Republic Insurance Company	NAIC # 24147
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE	\$ 10,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 10,000,000
							MED EXP (Any one person)	\$ XXXXXXXX
							PERSONAL & ADV INJURY	\$ 10,000,000
							GENERAL AGGREGATE	\$ 10,000,000
							PRODUCTS - COM/OP AGG	\$ 10,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident)	\$ 10,000,000
							BODILY INJURY (Per person)	\$ XXXXXXXX
							BODILY INJURY (Per accident)	\$ XXXXXXXX
							PROPERTY DAMAGE (Per accident)	\$ XXXXXXXX
								\$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE	\$ XXXXXXXX
							AGGREGATE	\$ XXXXXXXX
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> BOTH-ER E.L. EACH ACCIDENT	\$ 10,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 10,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER 13887652 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 608 EAST BOULEVARD AVE. BISMARCK ND 58505-0700	CANCELLATION See Attachment SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	---

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



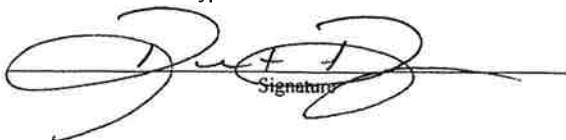
Joel M. Witt **LAWRENCE CANCL**
Williston District Engineer
Dickinson

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

Robert Rose Vice President, Land and Right of Way
Type or Print Name & Title


Signature

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

7 St. NW (S-30/31) (T-147) (R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-026.910
7 St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 20 16, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-04-026-910
7 St. NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.


Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
7 St. NW	NORTH	30	147	95	W102°50.116'	N 47°31.010'
7 St. NW	SOUTH	31	147	95	W102°50.125'	N47°31.006'

Temp
Temp

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant


 Vice President, Land and Right of Way County Road Supt. Approved

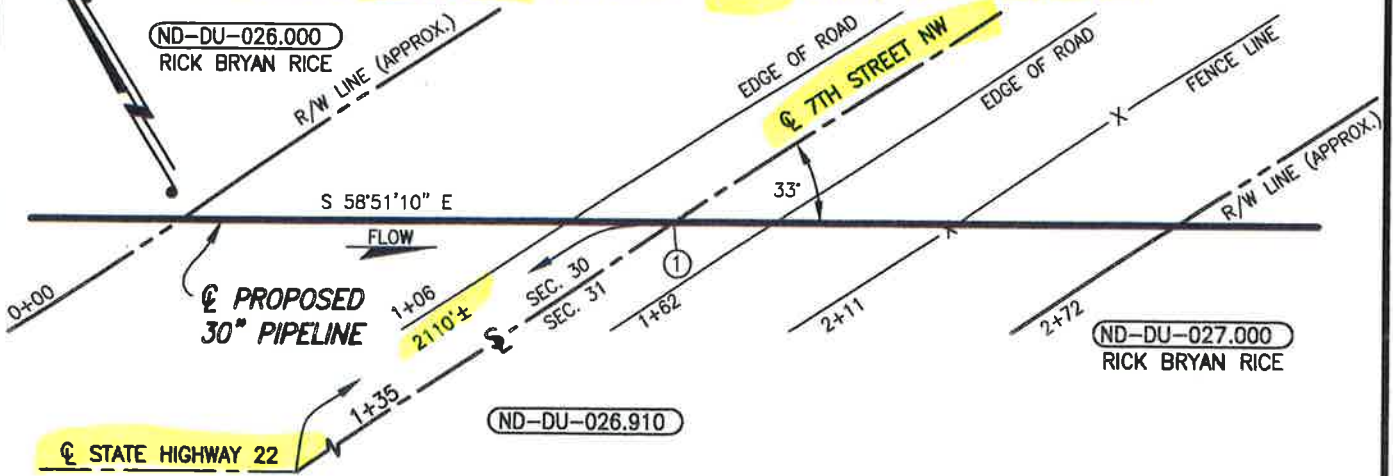
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

2-24-16
 Dated

ND-DU-026.910
 7 St. NW

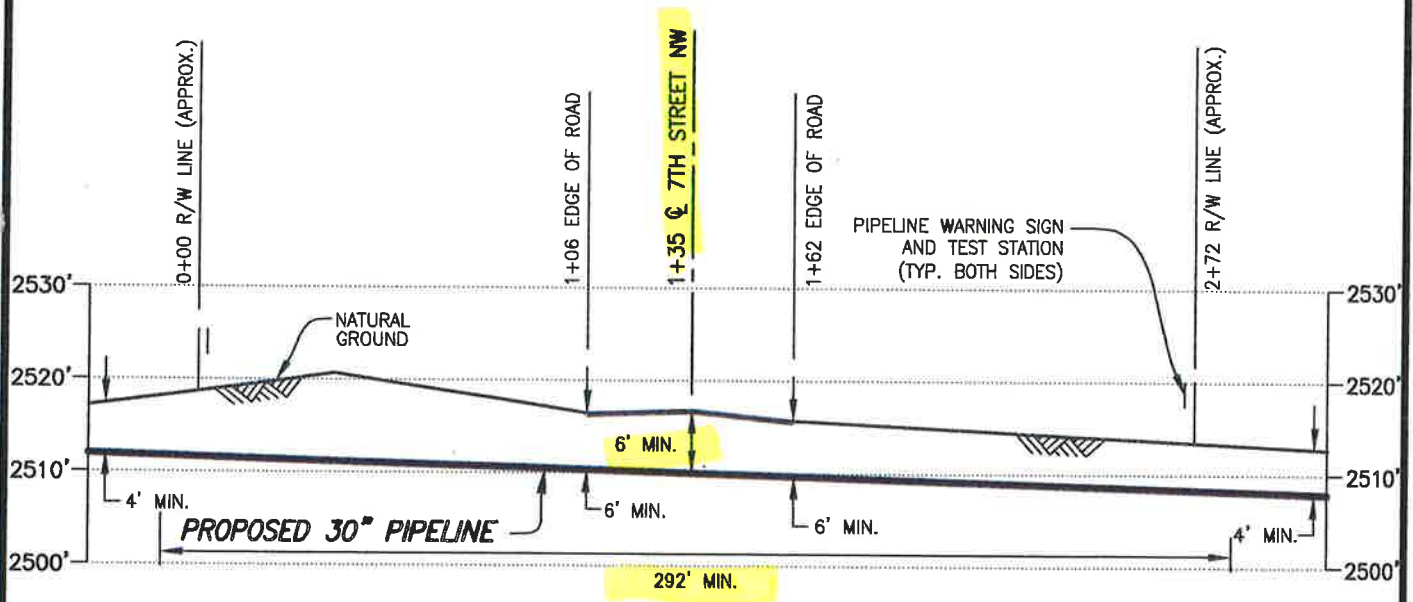
DUNN COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 147 NORTH, RANGE 95 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2175021.76
Y=17273158.83

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 7TH STREET NW AT STA. 1+35, ELEV. 2516.81'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-1.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/04/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 7TH STREET NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 01/07/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-026.910	B
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

107 AVE NW (S-31/32)(T-147)(R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-027.900
107 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

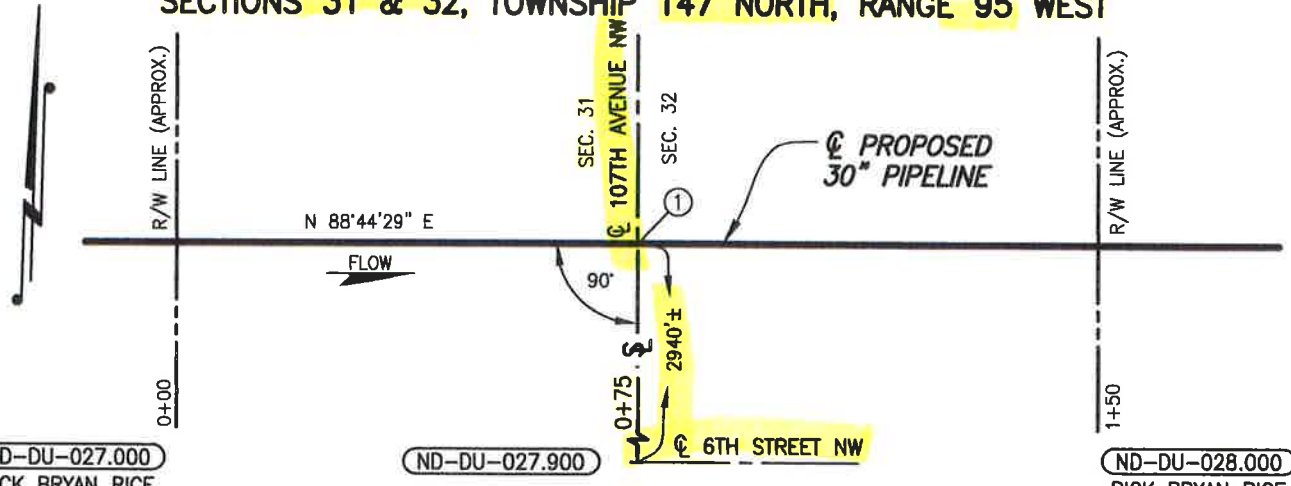
Last revised 10/04/13

ND-DU-027.900

107 AVE NW

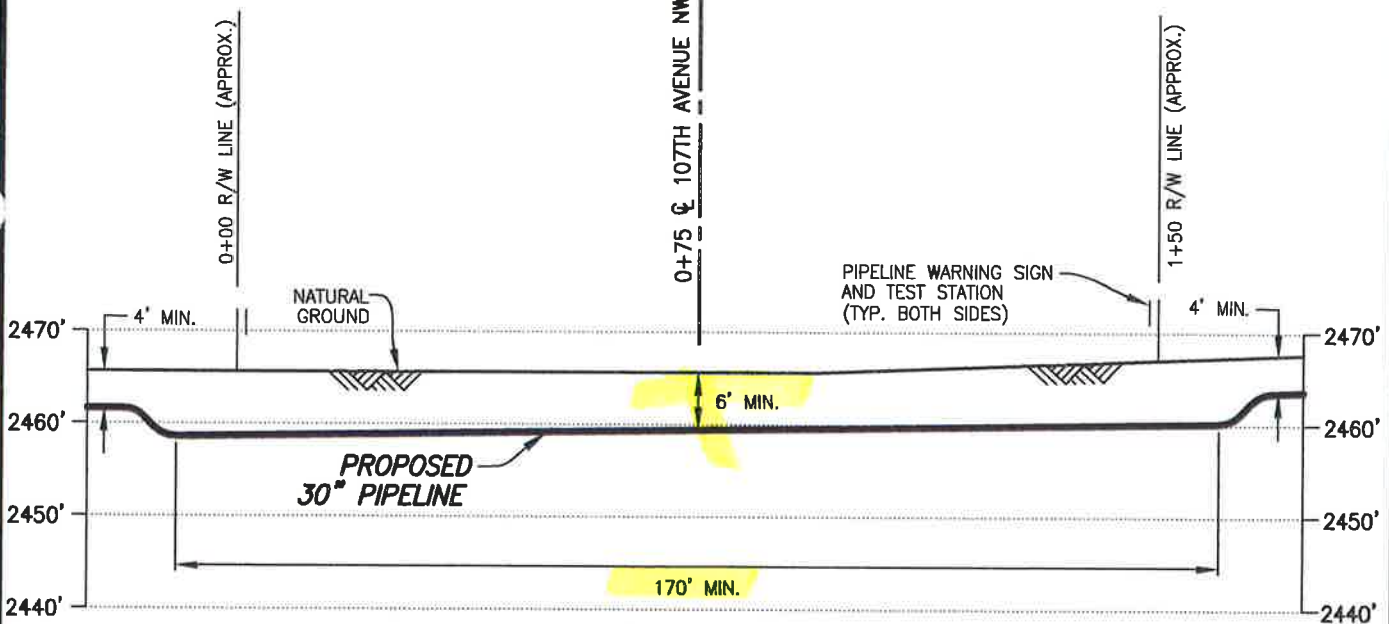
DUNN COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 147 NORTH, RANGE 95 WEST



PLAN

SCALE: 1" = 30'



PROFILE

SCALE: 1" = 30' HORIZ.
1" = 20' VERT.

① X=2178353.57
Y=17273075.60

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 107TH AVENUE NW AT STA. 0+75, ELEV. 2465.59'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/28/15	MM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC



PROPOSED 30" DAPL PIPELINE CROSSING 107TH AVENUE NW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-027.900	B
SCALE: AS SHOWN	APP.:		

COUNTY\103957-PB-ND-DU-027.900.dwg PLOT DATE: 12/28/2015 BY: MUALLEM, MIKE

g:\mus\103957\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\

FILE: \\mus

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

106 AVE NW (S-32/33) (T-147) (R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-028.900
106 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMVINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802-989-2489

Last revised 10/04/13

ND-DU-028.900
106 AVE NW

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

CR 104 (S-33/34) (T-147) (R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-030.516.900
CR 104

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489
Last revised 10/04/13 ND-DU-030-516.900
CR 104

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.


Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
CR 104	West	33	147	95		
CR 104	EAST	34	147	95		

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

Note: 000 Section line Rd
 No access at this time

ND-DU-030.576.900
 CR 104

DUNN COUNTY, NORTH DAKOTA

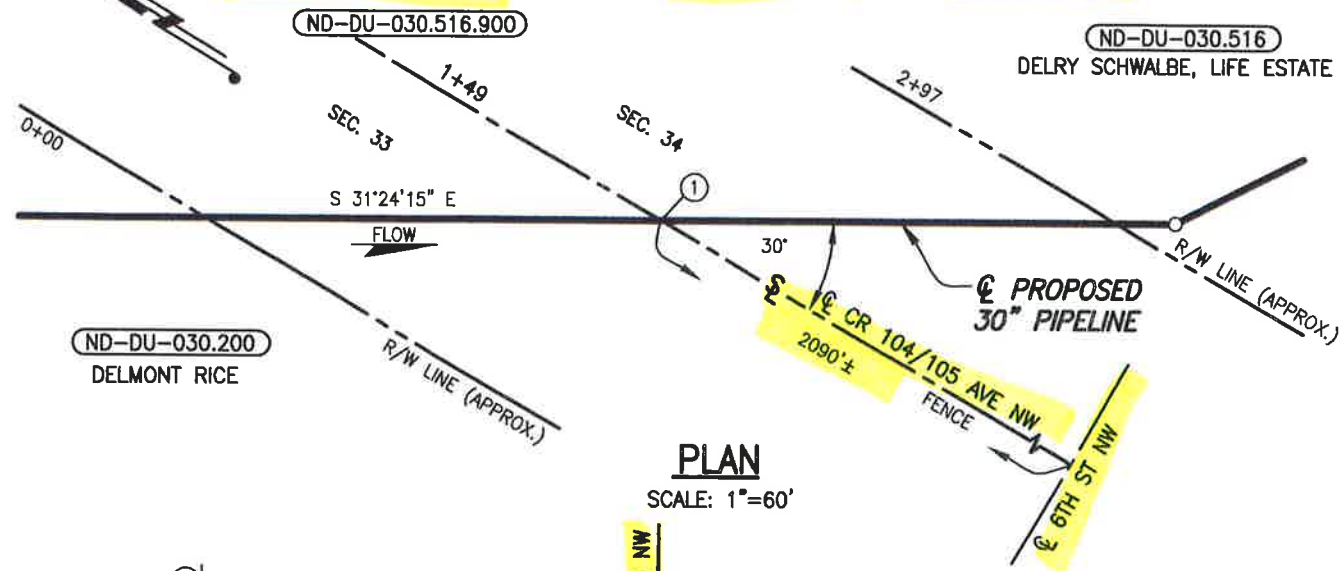
SECTIONS 33 & 34, TOWNSHIP 147 NORTH, RANGE 95 WEST

ND-DU-030.516.900

ND-DU-030.516

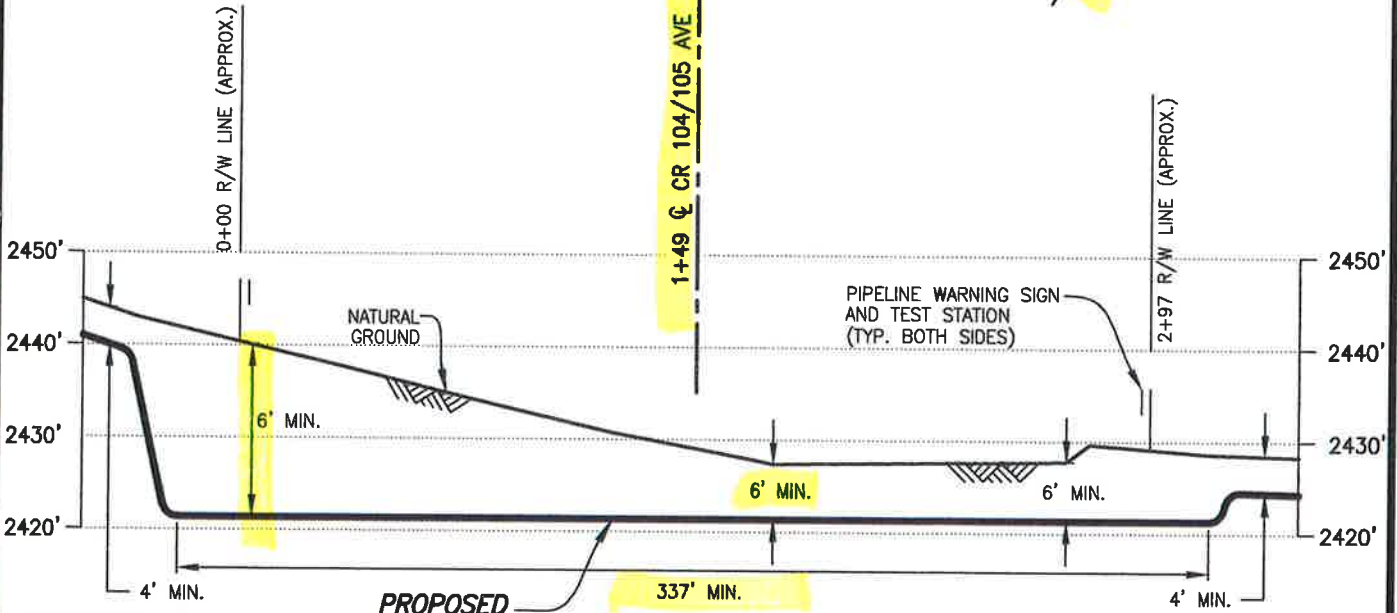
DELRY SCHWALBE, LIFE ESTATE

ND-DU-030.200
DELMONT RICE



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 DSAW
COATING: 14-16 MILS FBE
W/40 MIL ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=2189000.75
Y=17270332.48

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ CR 104/105 AVE NW AT STA. 1+49, ELEV. 2428.38'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/29/15	MM	ISSUED FOR USE/PERMIT	RC
B	10/26/15	OP	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING COUNTY ROAD 104/ 105 AVE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JTW	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 02/27/15	ND-DU-030.516.900	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

COUNTY\103957-PB-ND-DU-030.516.900.dwg PLOT DATE: 12/29/2015 BY: MUALLEM, MIKE
 g.com\gbl\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\03-PERMIT\NORTH DAKOTA
 FILE: \\muia

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

6 St. NW (S-34103) (T-147146) (R95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-031.900
6 St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

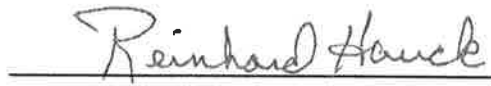
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 Weiss Avenue, Bismarck, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

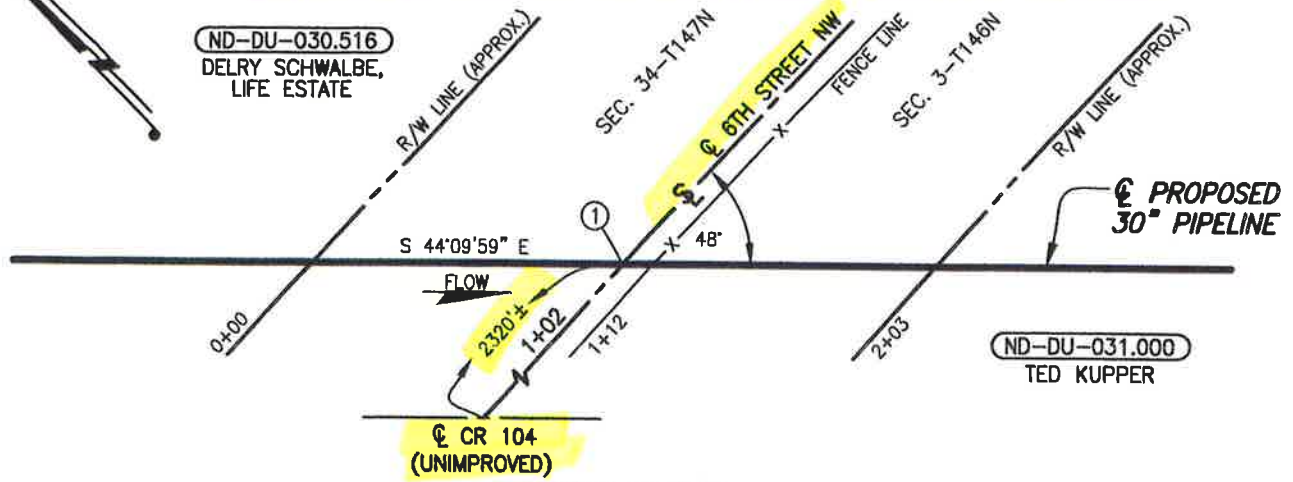
Last revised 10/04/13

58503

ND-Du-031.900
6 St. NW

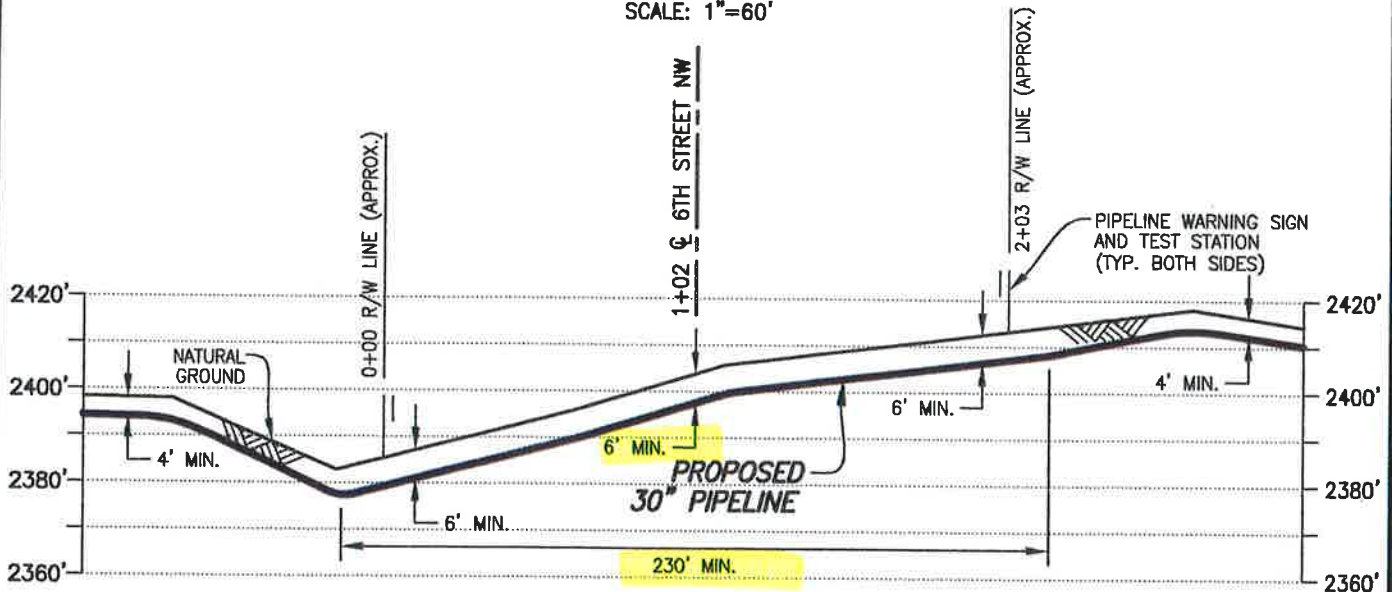
DUNN COUNTY, NORTH DAKOTA

SECTIONS 3 & 34, TOWNSHIPS 146 & 147 NORTH, RANGE 95 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=40' VERT.

① X=2191337.20
Y=17268320.03

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 6TH STREET NW AT STA. 1+02, ELEV. 2403.78'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/22/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 6TH STREET NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JMH	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-031.900	B
SCALE: AS SHOWN	APP.:		

J:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-NC

J:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-NC

FILE: R:

J:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-NC

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

5 st. WW (S-3/10)(T-146)(R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

MD-Du-031.920
5 st. WW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
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WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

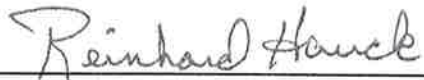
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

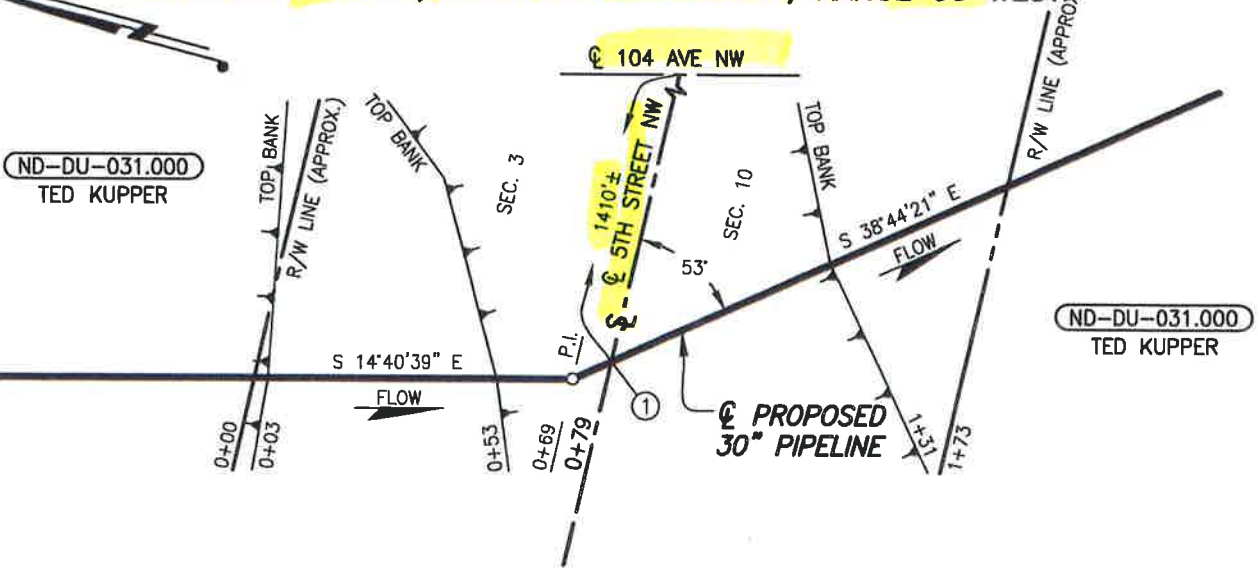
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-031.920
5 St. NW

DUNN COUNTY, NORTH DAKOTA

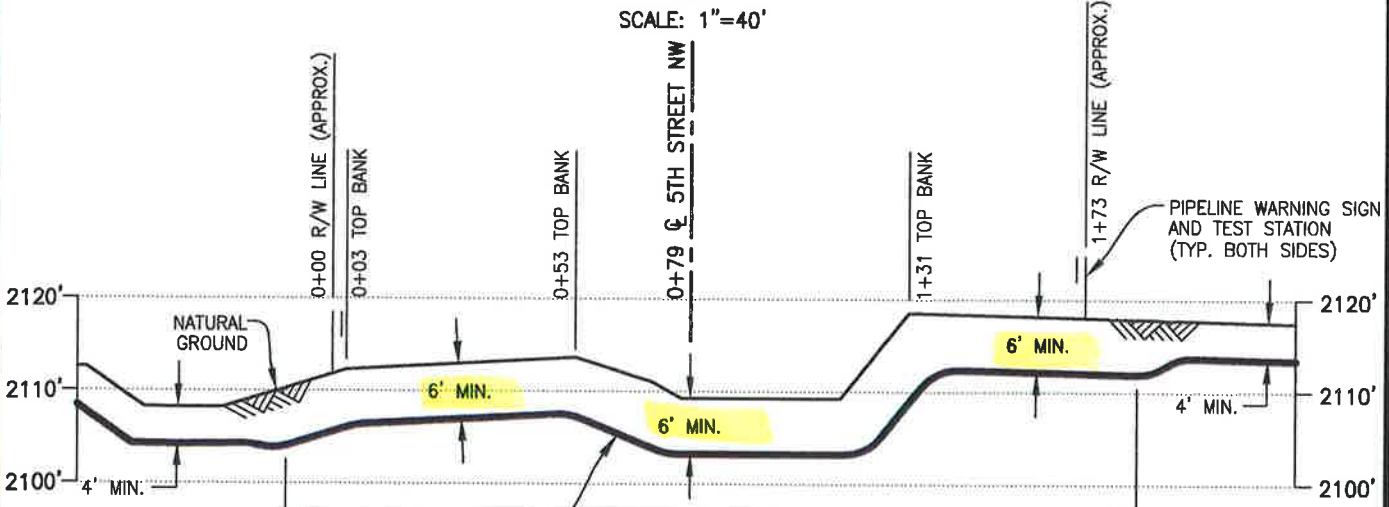
SECTIONS 3 & 10, TOWNSHIP 146 NORTH, RANGE 95 WEST



ND-DU-031.920

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

196' MIN.
PROFILE
 SCALE: 1"=40' HORIZ.
 1"=20' VERT.

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 5TH STREET NW AT STA. 0+79, ELEV. 2109.21'

ND-DU-031.920 SUPERSEDES ND-DU-031.910

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	MM	ISSUED FOR USE/PERMIT	RC
A	10/22/15	JMH	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 5TH STREET NW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 04/17/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 04/17/15	ND-DU-031.920	B
SCALE: AS SHOWN	APP.:		

FILE: \\mus\j.com\glb\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\...
 COUNTY\103957-PB-ND-DU-031.920.dwg PLOT DATE: 12/29/2015 BY: MUALLEM, MIKE

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

4 St. NW (S-11/14)(T-146)(R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

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Last revised 10/04/13

ND-DU-034.000
4 St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

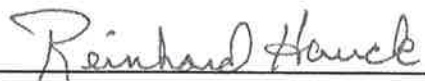
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

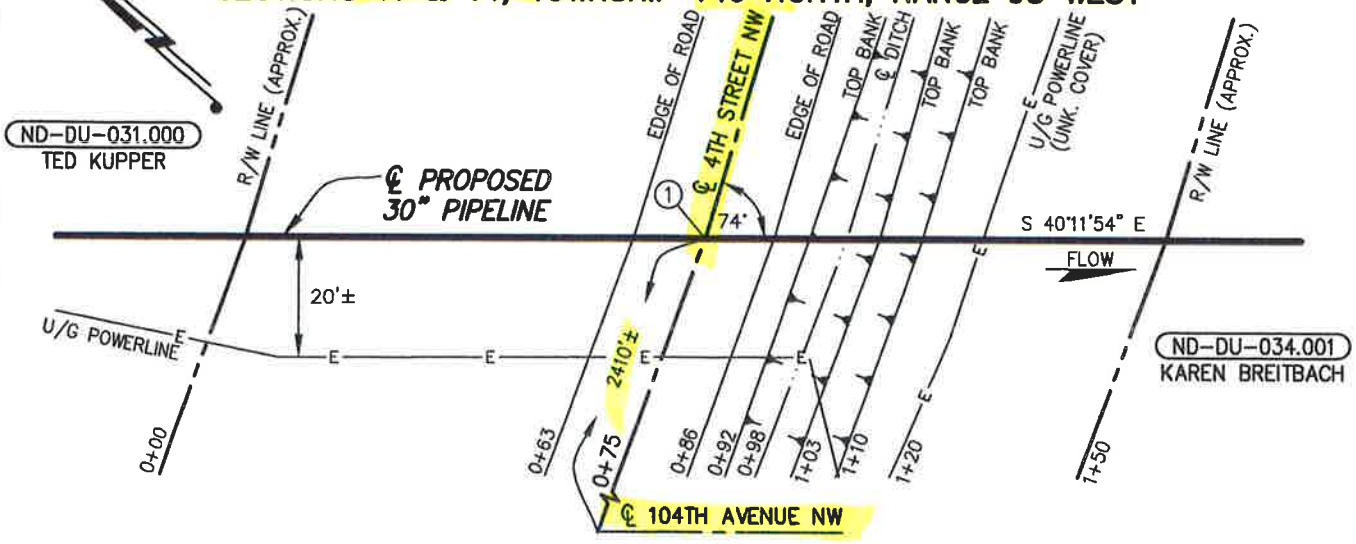
58503

Last revised 10/04/13

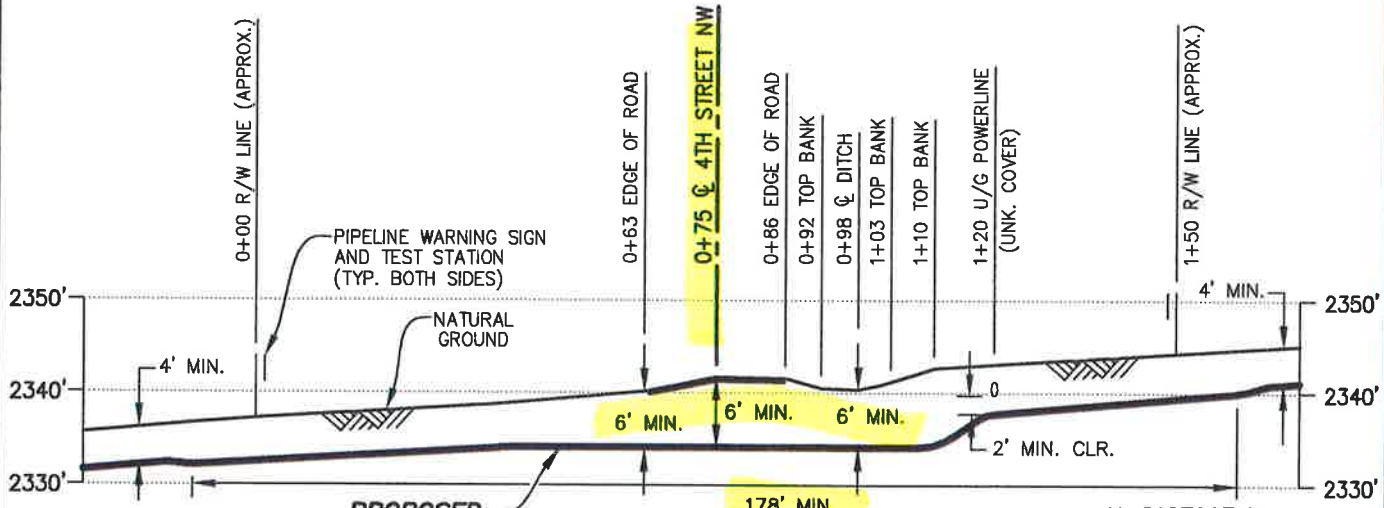
ND-DU-034.000
4 St. NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 11 & 14, TOWNSHIP 146 NORTH, RANGE 95 WEST



ND-DU-034.000 **PLAN**
SCALE: 1"=30'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=2197967.01
 Y=17256911.84
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: @ 4TH STREET NW
 AT STA. 0+75, ELEV. 2341.69'

REV.	DATE	BY	DESCRIPTION	CHK.
E	12/29/15	OP	ISSUED FOR USE/PERMIT	RC
D	10/23/15	JWH	ISSUED FOR USE/PERMIT	RC
C	09/04/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RG



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 4TH STREET NW**

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 12/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-034.000	E
SCALE: AS SHOWN	APP.:		

FILE: R:\Pro... 03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-30.dwg PLOT DATE: 12/29/2015 BY: PALACIOS, OSCAR

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

103 AVE NW (S-14/13)(T-146)(R-95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND DU-034.900
103 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

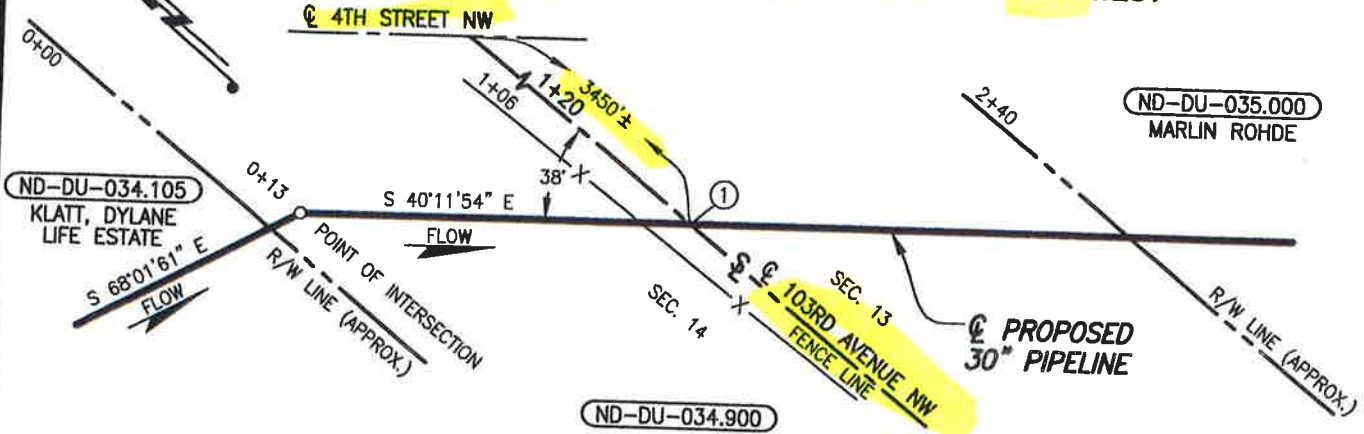
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489

Last revised 10/04/13

ND-DU-034.900
103 AVE NW

DUNN COUNTY, NORTH DAKOTA

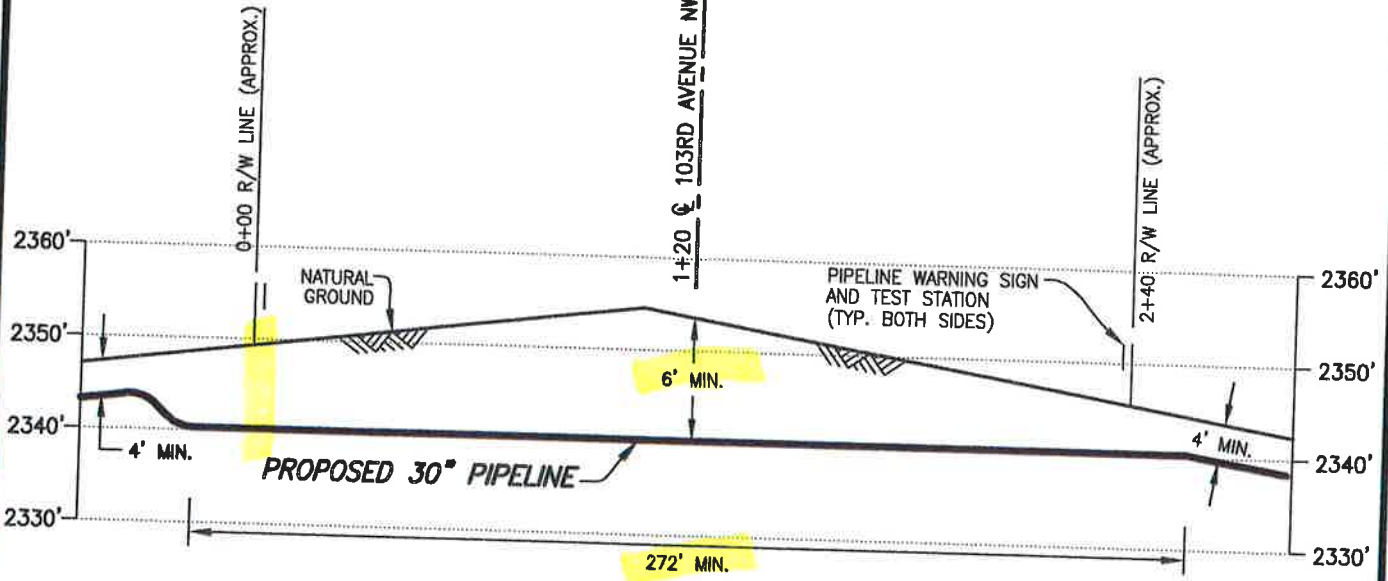
SECTIONS 13 & 14, TOWNSHIP 146 NORTH, RANGE 95 WEST



ND-DU-034.900

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2200018.32
Y=17254484.32

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ FENCE LINE AT STA. 1+06, ELEV. 2354.55'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/28/15	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 103RD AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-034.900	B
SCALE: AS SHOWN	APP.:		

FILE: I:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\103957-P8-N...-034.900.dwg PLOT DATE: 10/28/2015 BY: MADAMBA, JOEY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

3 ST. NW (S-13/24)(T-146)(R 95)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-035.900
3 ST. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

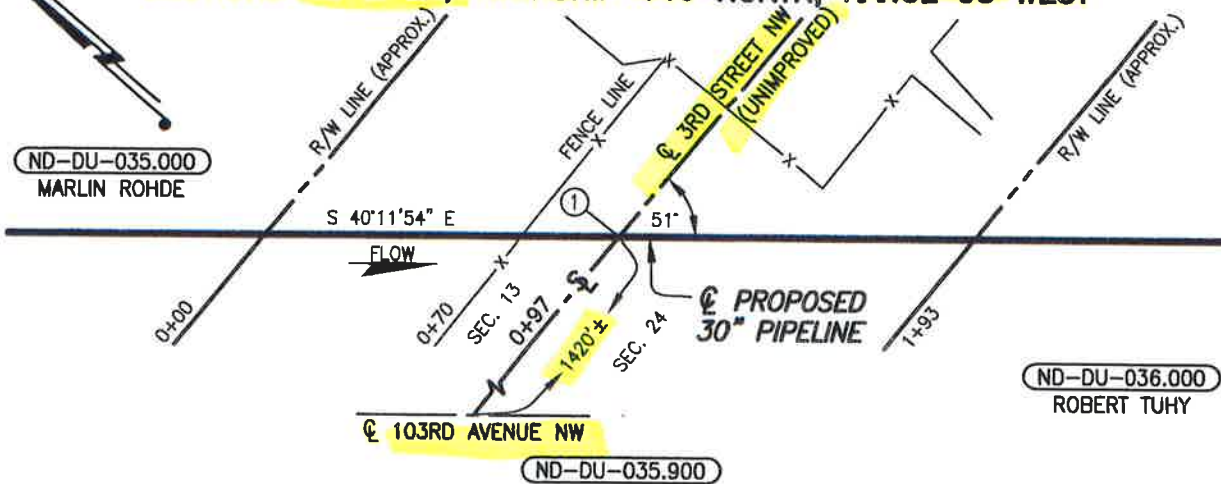
90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489

Last revised 10/04/13

ND-DU-035.900
3 St. NW

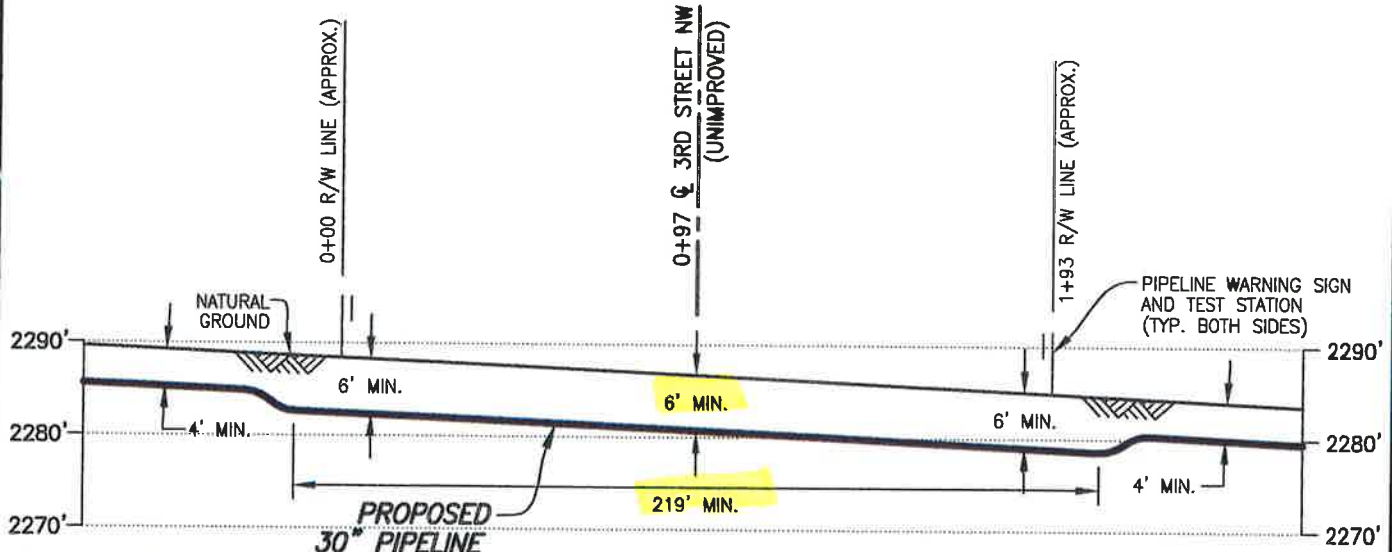
DUNN COUNTY, NORTH DAKOTA

SECTIONS 13 & 24, TOWNSHIP 146 NORTH, RANGE 95 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2201446.94
Y=17252793.68

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 3RD STREET NW (UNIMPROVED) AT STA. 0+97, ELEV. 2286.70'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 3RD STREET NW (UNIMPROVED)

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 04/30/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-DU-035.900	A
SCALE: AS SHOWN	APP.:		

.900.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

\\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-1

FILE: R.V.

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

102 AVE NW (S-24/19) (T-146) (R-95/94)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-036900
102 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

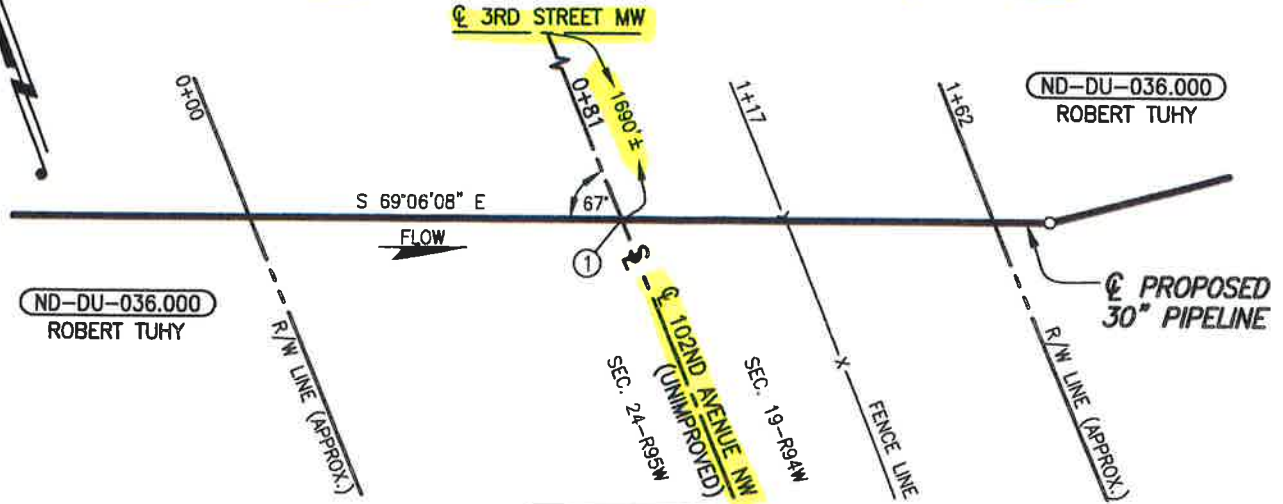
58503

Last revised 10/04/13

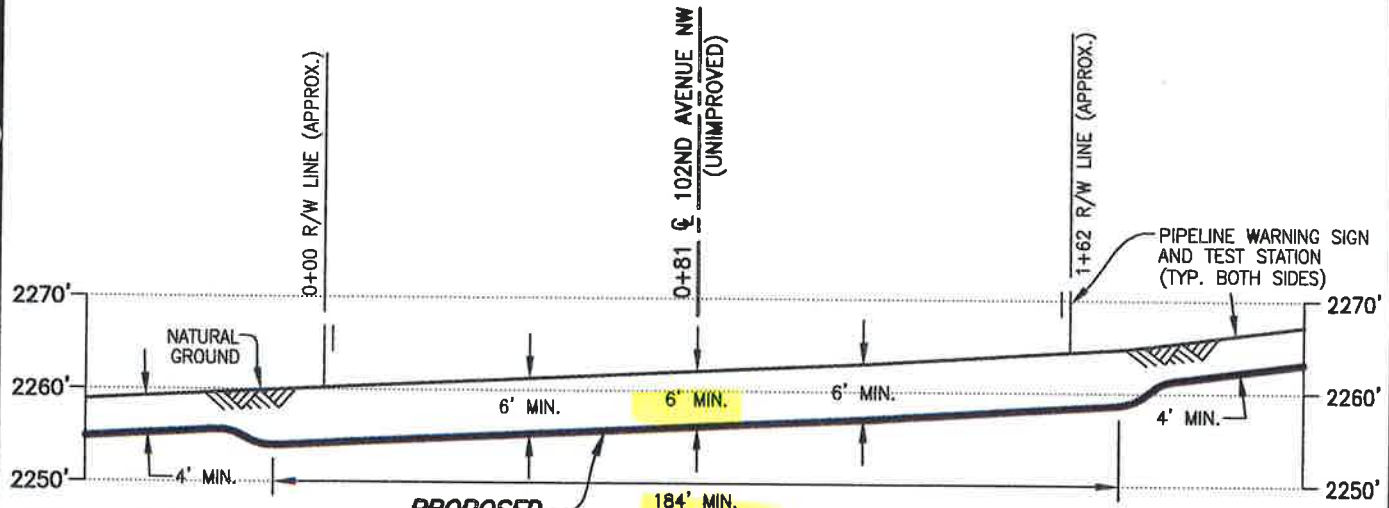
ND-DU-036.900
102 AOE NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 19 & 24, TOWNSHIP 146 NORTH, RANGES 94 & 95 WEST



PLAN
SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2205358.37
Y=17251194.74
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 102ND AVENUE NW (UNIMPROVED)
 AT STA. 0+81, ELEV. 2262.13'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-3.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

REV.	DATE	BY	DESCRIPTION	CHK.
A	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 102ND AVENUE NW (UNIMPROVED)**

DUNN COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 04/30/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-DU-036.900	A
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

2 ST. NW (S-19/30) (T-146) (R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-036.910
2nd St. NW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

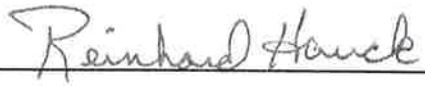
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

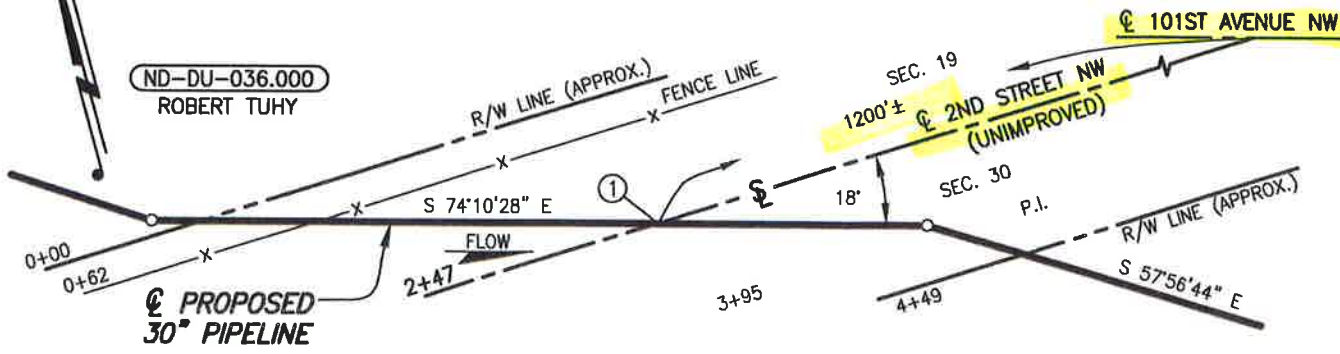
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

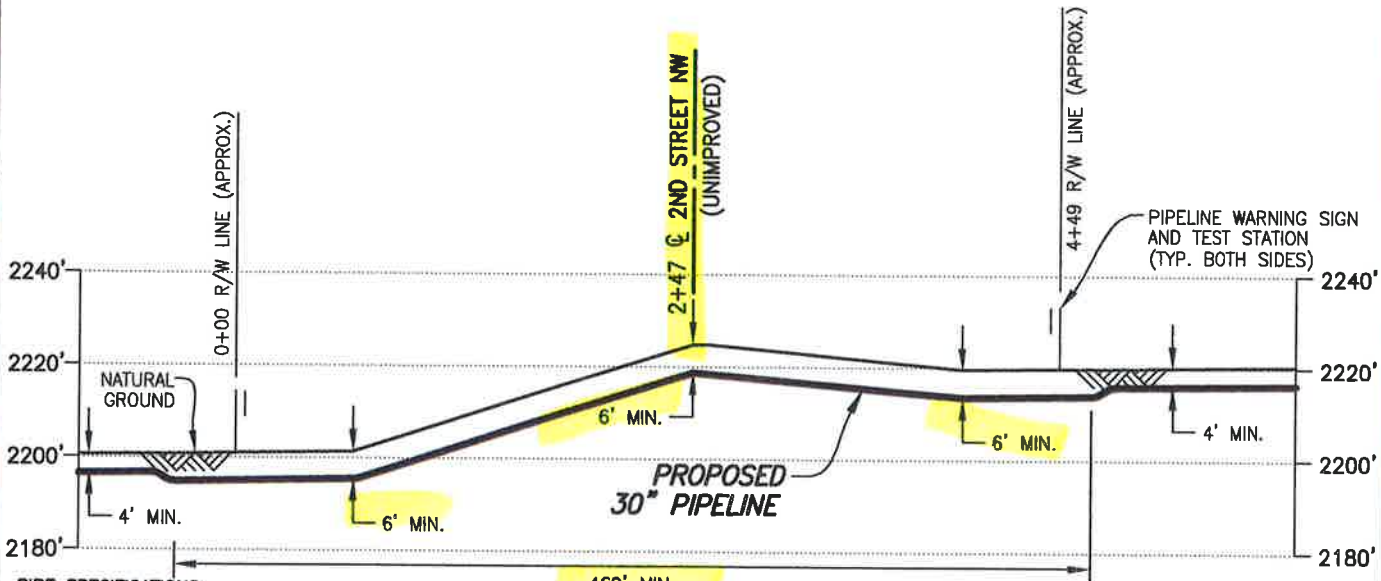
ND-DU-036.910
2nd St. NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 19 & 30, TOWNSHIP 146 NORTH, RANGE 94 WEST



ND-DU-036.910
PLAN
 SCALE: 1"=100'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=100' HORIZ.
 1"=40' VERT.

① X=2209386.89
 Y=17247695.57
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 2ND STREET NW (UNIMPROVED)
 AT STA. 2+47, ELEV. 2224.77'

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-DU-0.dwg PLOT DATE: 12/29/2015 BY: PALACIOS, OSCAR

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/29/15	OP	ISSUED FOR USE/PERMIT	RC
B	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
A	04/22/15	PRV	ISSUED FOR USE/PERMIT	PN

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



**PROPOSED 30" DAPL PIPELINE CROSSING
 2ND STREET NW (UNIMPROVED)**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 04/07/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-DU-036.910	C
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

101 AVE NW (S-30/29) (T-146) (R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-Du-039.900
101 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

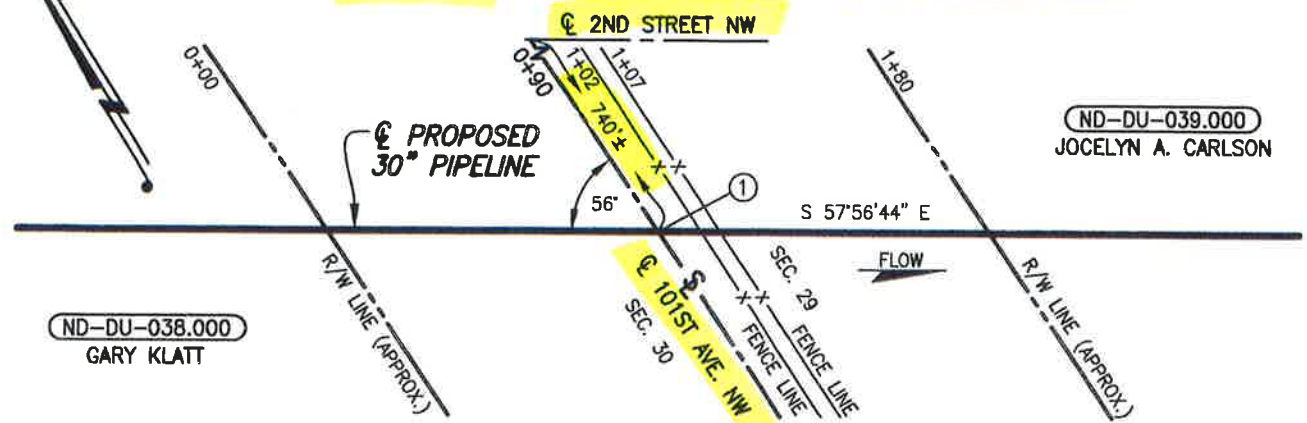
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802-989-2489

Last revised 10/04/13

ND-04-039.900
101 AOE NW

DUNN COUNTY, NORTH DAKOTA

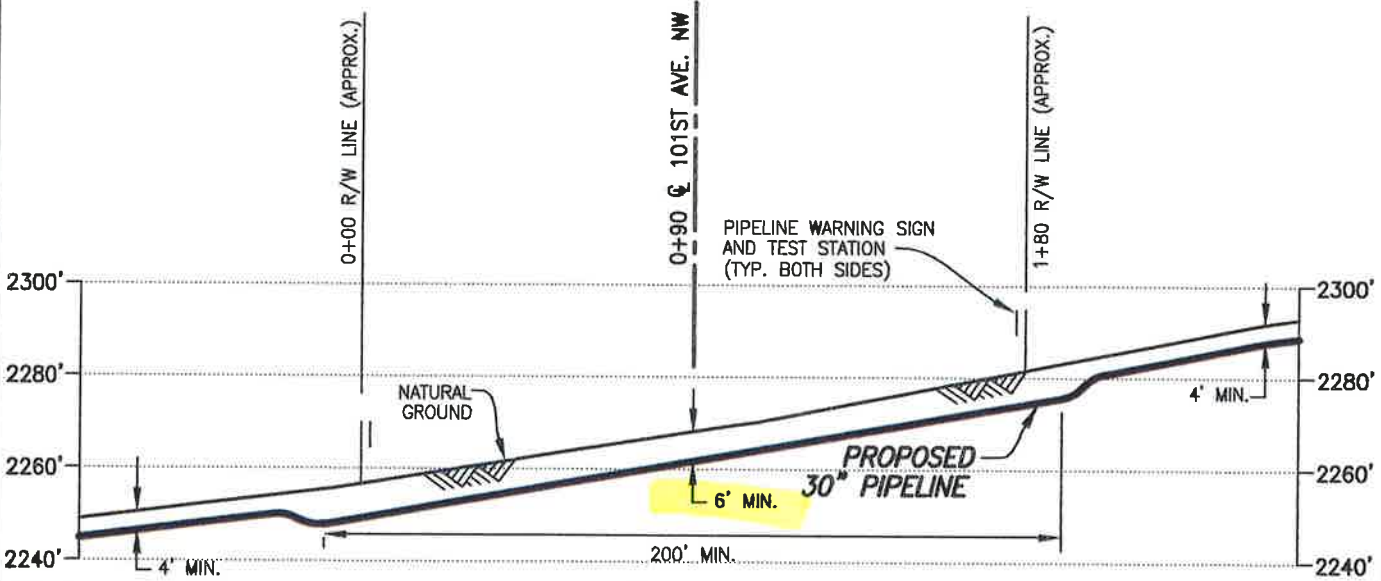
SECTIONS 29 & 30, TOWNSHIP 146 NORTH, RANGE 94 WEST



ND-DU-039.900

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=40' VERT.

① X=2210577.60
Y=17246998.70

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 101ST AVENUE NW AT STA. 0+90, ELEV. 2268.14'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\F 3\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-1 1.900.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING

101ST AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-039.900	A
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

100 ave NW (S-29128) (T-146) (R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-040.900
100 AVE NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-040.900
100 AVE NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
100 AVE	WEST	29	146	94	W102°40.415'	N47°25.967'
100 AVE	EAST	28	146	94	W102°40.415'	N47°25.977'


Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	N/A	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)

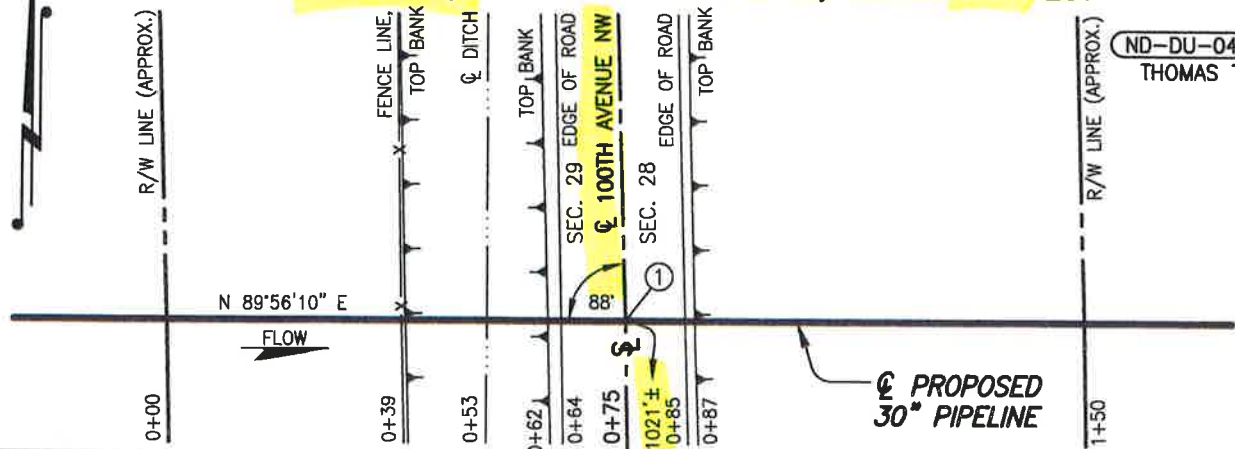
802-989-2489

Dated

ND-DU-040.900
 100 AVE NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 28 & 29, TOWNSHIP 146 NORTH, RANGE 94 WEST



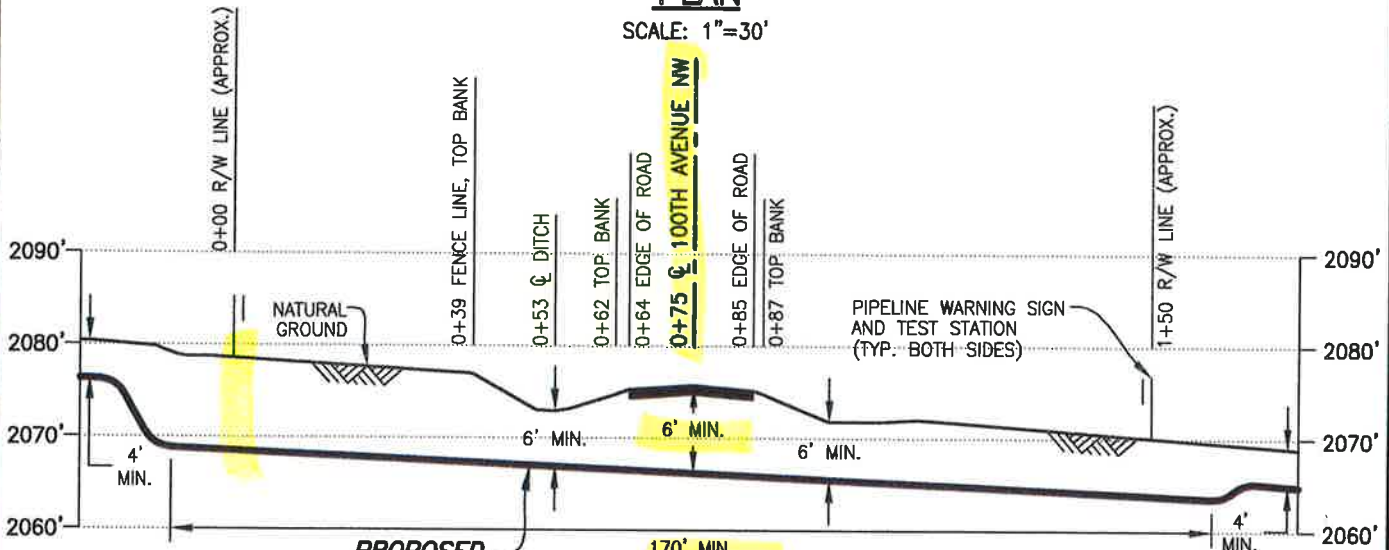
ND-DU-040.000
THOMAS TUHY

ND-DU-039.000
JOCELYN A. CARLSON

ND-DU-040.900

PLAN

SCALE: 1"=30'



PROPOSED
30" PIPELINE

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2215965.93
Y=17243721.34

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ϕ 100TH AVENUE NW
AT STA. 0+75, ELEV. 2275.75'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	JWH	ISSUED FOR USE/PERMIT	RC
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 100TH AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/20/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/27/15	ND-DU-040.900	B
SCALE: AS SHOWN	APP.:		

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-10.dwg PLOT DATE: 12/29/2015 BY: HARBOLT, JASON

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

99 ave nw (S-28/27)(T-146)(R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-042.900
99 ave nw

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, Bismarck, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-042.900
99 Ave NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
99 Ave	West	28	146	94	W102°39'14.5"	N47°25'86.1"
99 Ave	EAST	27	146	94	W102°39'14.2"	N47°25'86.5"

Temp
Temp

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Vice President, Land and Right of Way Del Olson
 County Road Supt. Approved

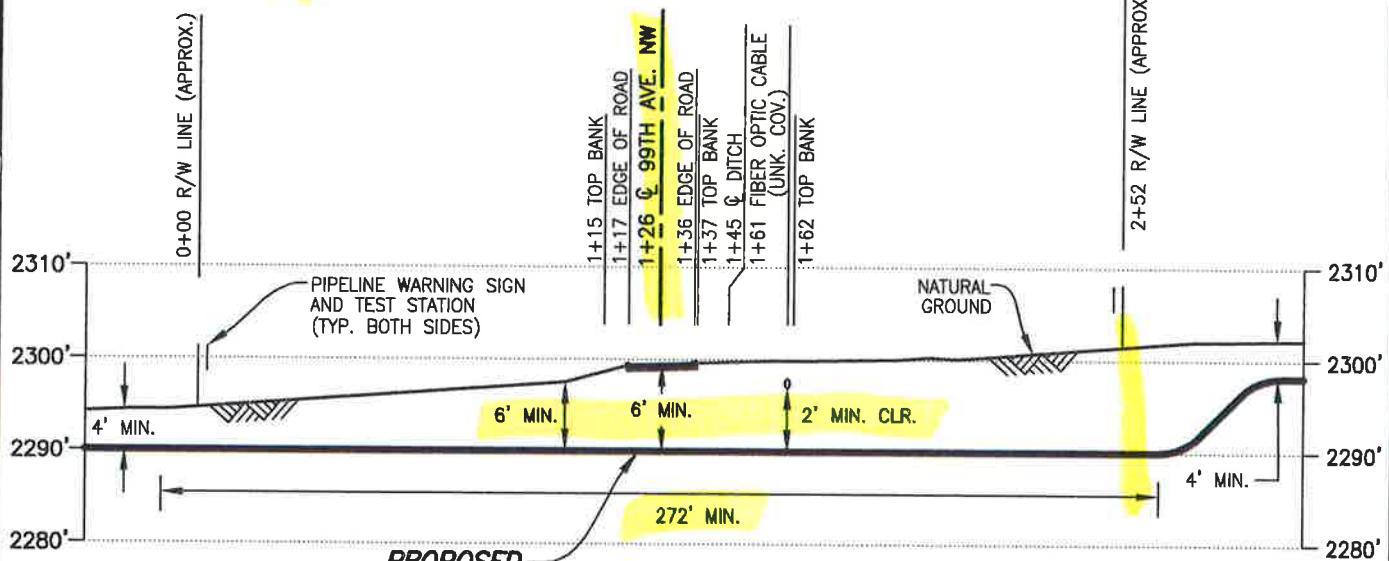
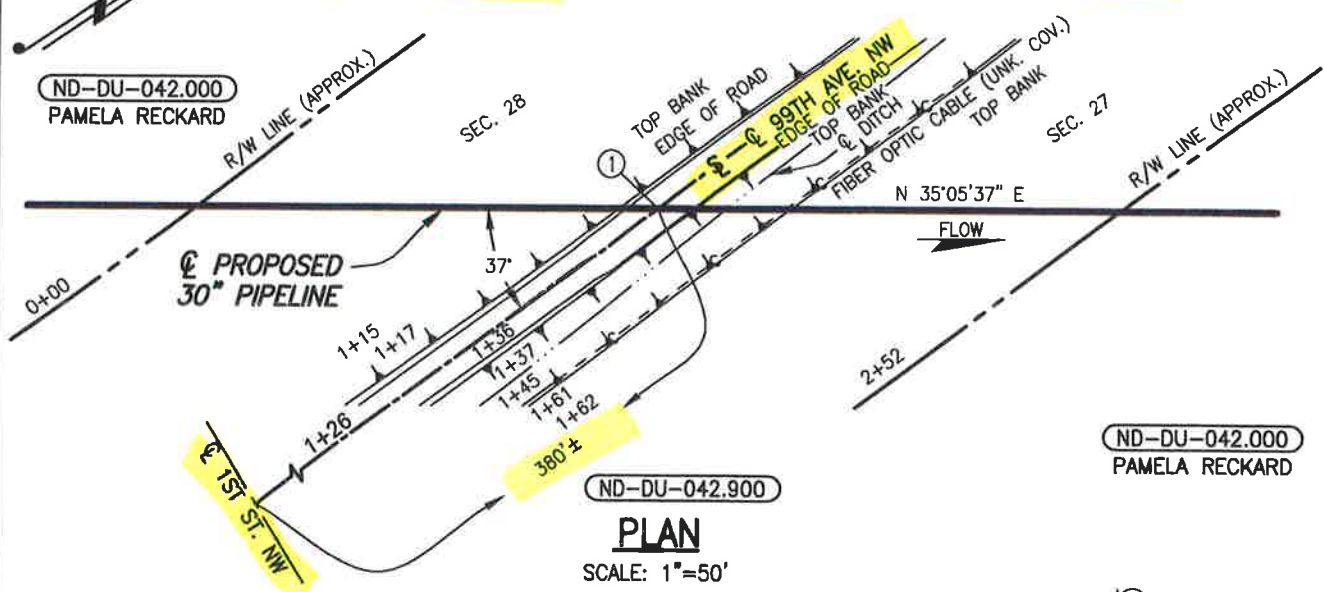
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

ND-DU-042.900
 99 Ave NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 28 & 27, TOWNSHIP 146 NORTH, RANGE 94 WEST



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=2221231.62
 Y=17243193.07
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: C 99TH AVE. NW
 AT STA. 1+26, ELEV. 2299.50'

F	12/30/15	OP	ISSUED FOR USE/PERMIT	RC
E	11/02/15	JTM	ISSUED FOR USE/PERMIT	RC
D	10/24/15	JTM	ISSUED FOR USE/PERMIT	RG
C	07/07/15	JMH	ISSUED FOR USE/PERMIT	EDF
REV.	DATE	BY	DESCRIPTION	CHK.

PROPOSED 30" DAPL PIPELINE CROSSING 99TH AVENUE NW

DUNN COUNTY NORTH DAKOTA

DRAWN BY: JH	DATE: 12/18/14	DWG. NO.	REV.
CHECKED BY: JTM	DATE: 12/21/15	ND-DU-042.900	F
SCALE: AS SHOWN	APP.:		

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-0.dwg PLOT DATE: 12/30/2015 BY: PALACIOS, OSCAR

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

98 Ave NW (S-27/26)(T-146)(R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

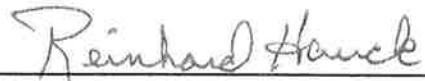
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489
Last revised 10/04/13 ND-DU-043.920
98 Ave NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp


Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
98 Ave	West	27	146	94	W102° 37.8103'	N 47° 25.996'
98 Ave	East	26	146	94	W102° 37.8103'	N 47° 26.002'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)

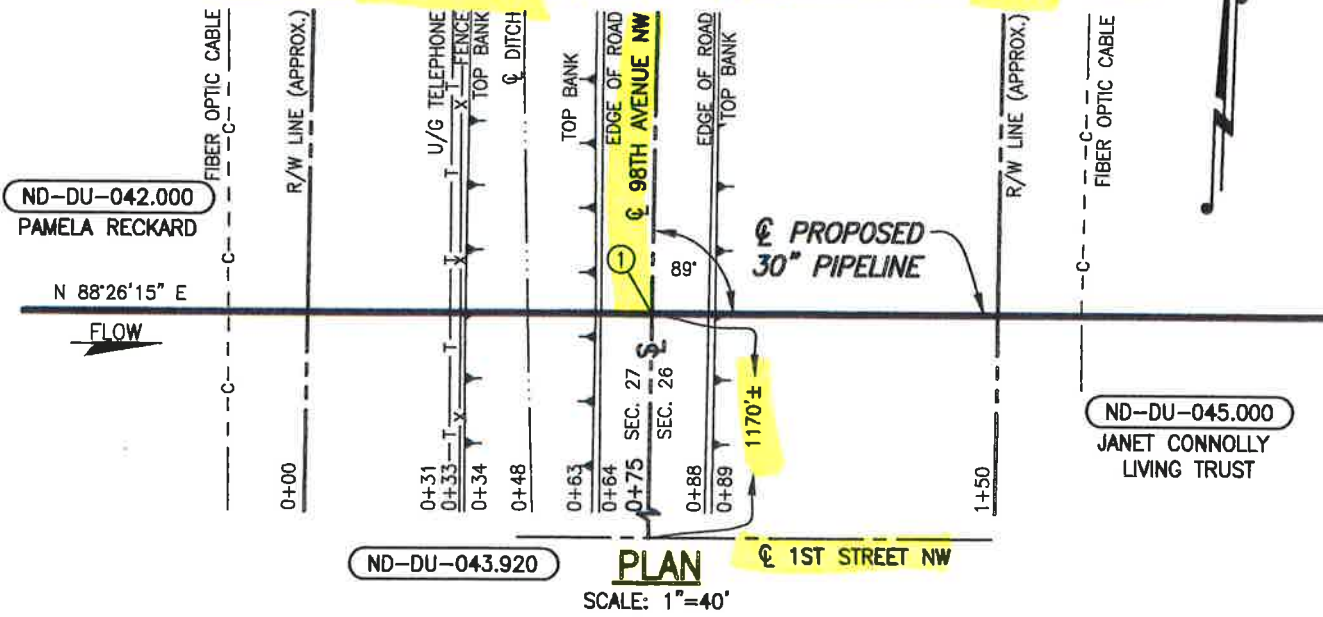
3-3-16
 Dated

Note: Hill close to pipeline access needs Traffic Control when crossing this area

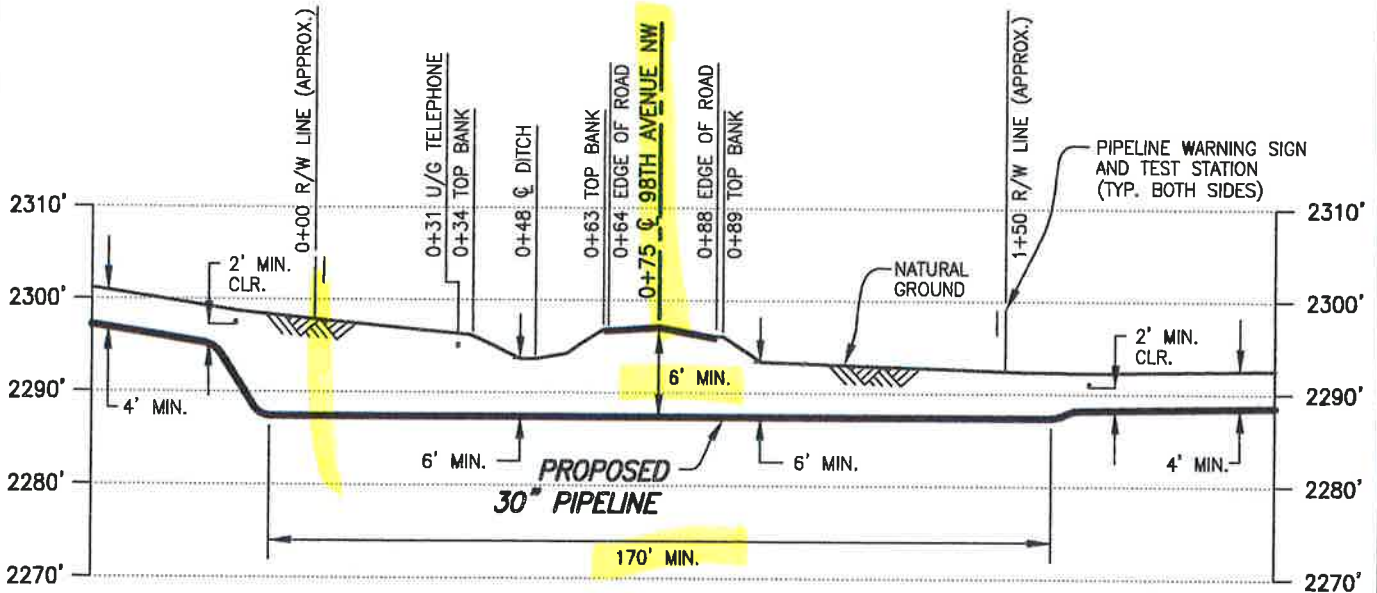
802-989-2489
ND-DU-043.920
98 ave NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 26 & 27, TOWNSHIP 146 NORTH, RANGE 94 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2226500.40
Y=17244176.62

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 98TH AVENUE NW AT STA. 0+75, ELEV. 2297.26'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	MS

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 98TH AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: CHA	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-043.920	B
SCALE: AS SHOWN	APP.:		

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-D 920.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

97 AVE NW (S-26/25)(T-146)(R-94)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-044.900
97 ADE NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
97 Ave	West	26	146	94	W102° 36.581'	N47° 25.984'
97 Ave	East	25	146	94	W102° 36.577'	N47° 25.993'


Temp
Temp

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant
 Vice President, Land and Right of Way


 County Road Supt. Approved

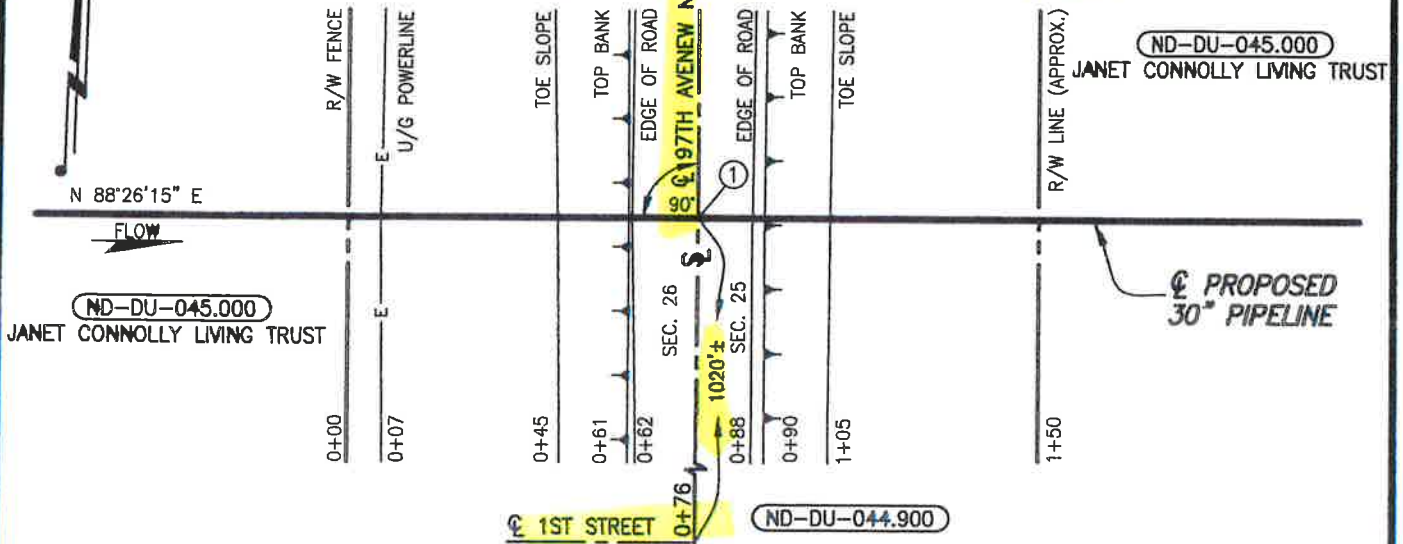
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

ND-Du-044.900
 97 AVE NW

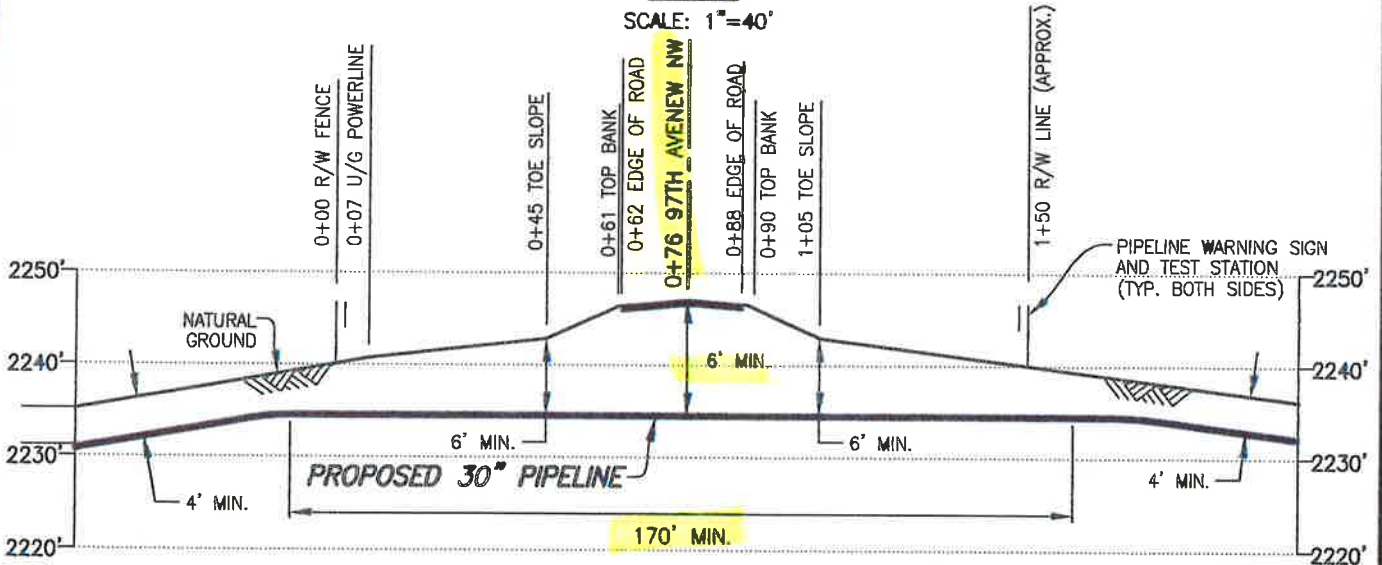
DUNN COUNTY, NORTH DAKOTA

SECTIONS 25 & 26, TOWNSHIP 146 NORTH, RANGE 94 WEST



PLAN

SCALE: 1" = 40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1" = 40' HORIZ.
 1" = 20' VERT.

① X=2231775.57
 Y=17244320.51

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☉ 97TH AVENUE NW AT STA. 0+76, ELEV. 2247.01'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 97TH AVENUE NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: DAV	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-044.900	B
SCALE: AS SHOWN	APP.:		

14.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

\\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-

FILE: R:

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

96 Ave NW (S-25/30)(T-146)(R-94/93)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
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- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

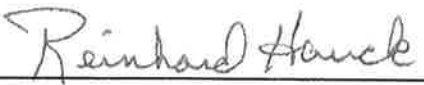
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

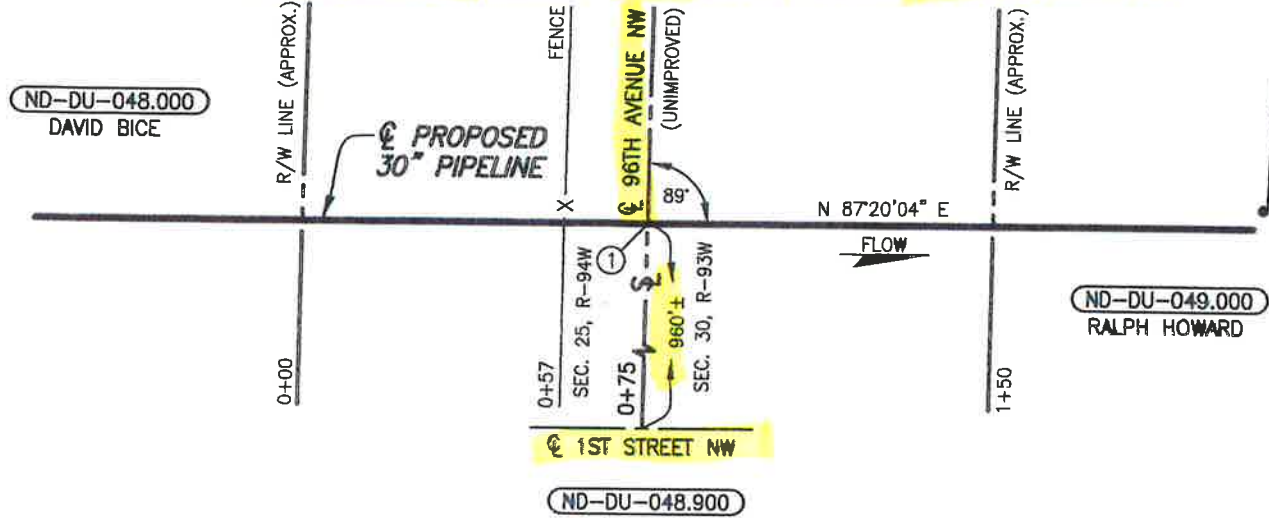
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-048.900
96 Ave NW

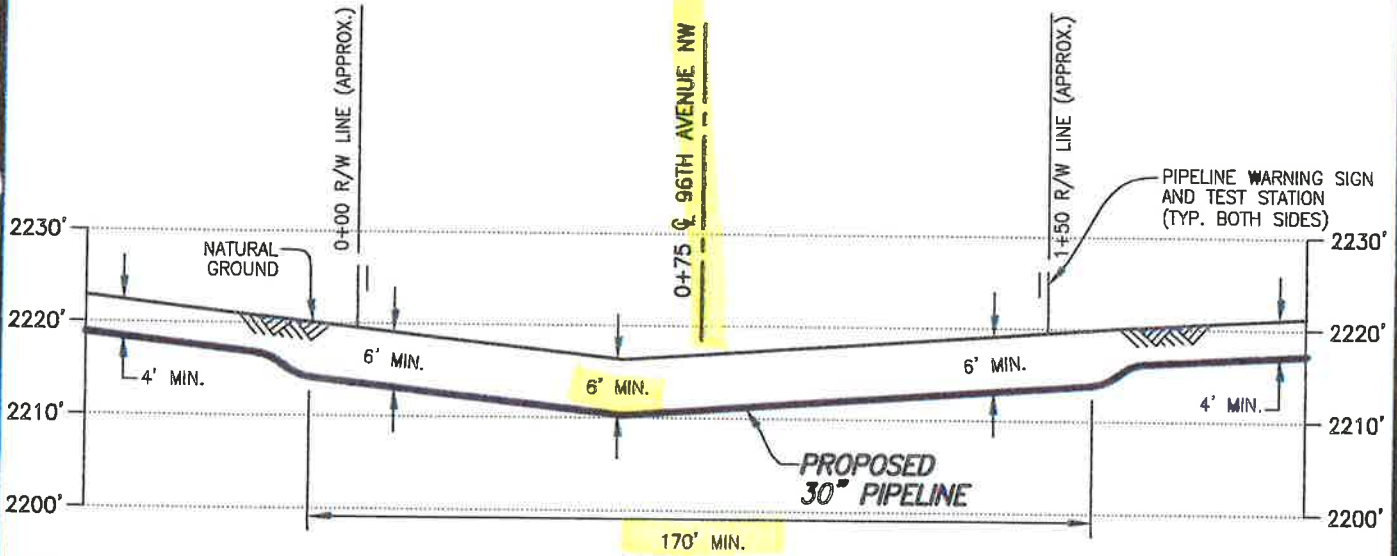
DUNN COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 146 NORTH, RANGES 94 & 93 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2237064.14
Y=17244226.46

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot FENCE
AT STA. 0+57, ELEV. 2216.29'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 96TH AVENUE NW (UNIMPROVED)

DUNN COUNTY NORTH DAKOTA

DRAWN BY: JMH	DATE: 03/02/15	DWG. NO.	REV.
CHECKED BY: RC	DATE:	ND-DU-048.900	A
SCALE: AS SHOWN	APP.:		

REV.	DATE	BY	DESCRIPTION	CHK.
A	05/07/15	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

8.900.dwg PLOT DATE: 5/6/2015 BY: HUMBERSON, JEREMY

\\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-

FILE: R:\

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

1ST NW (S-30/31) (T-146) (R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

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- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
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- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

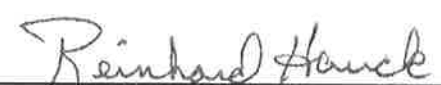
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

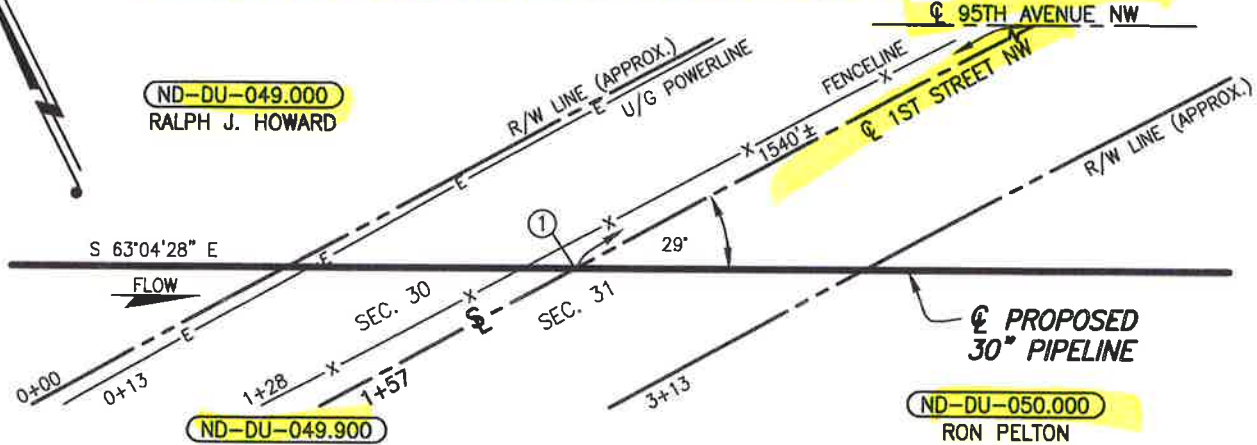
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

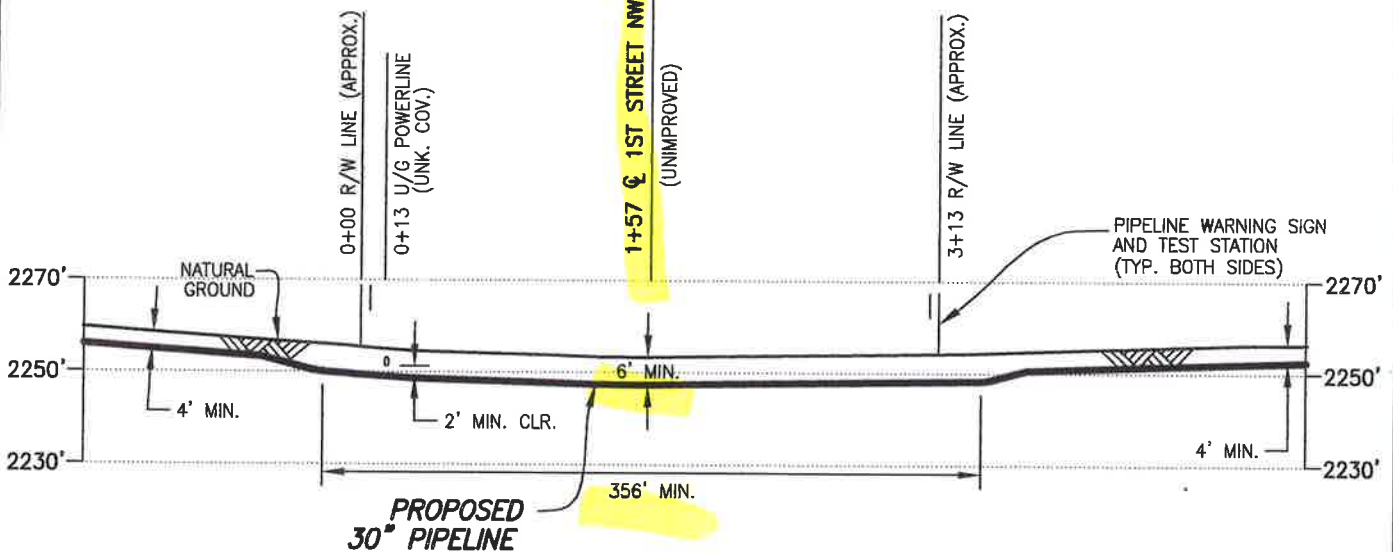
ND-Du-049.000
1 ST 11.1)

DUNN COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 146 NORTH, RANGE 93 WEST



PLAN
SCALE: 1"=100'



PROFILE
SCALE: 1"=100' HORIZ.
1"=40' VERT.

① X=2240624.00
Y=17243455.80

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 1ST STREET NW AT STA. 1+57 ELEV. 2553.34'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	02/05/18	PRV	ISSUED FOR USE/PERMIT	RC
A	04/22/15	PN	ISSUED FOR USE/PERMIT	PN

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 827C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 1ST STREET NW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/30/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-DU-049.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\Project\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-DU-C .dwg PLOT DATE: 2/5/2016 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

95 Ave NW (S-31/32)(T-146)(R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



 APPLICANT SIGNATURE

Vice President, Land and Right of Way

 TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489
 Last revised 10/04/13 ND-DU-050.930
95 Ave NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp


Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
95 Ave	West	31	146	93	W102°34.145'	N47°25.677'
95 Ave	East	32	146	93	W102°34.043'	N47°25.680'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

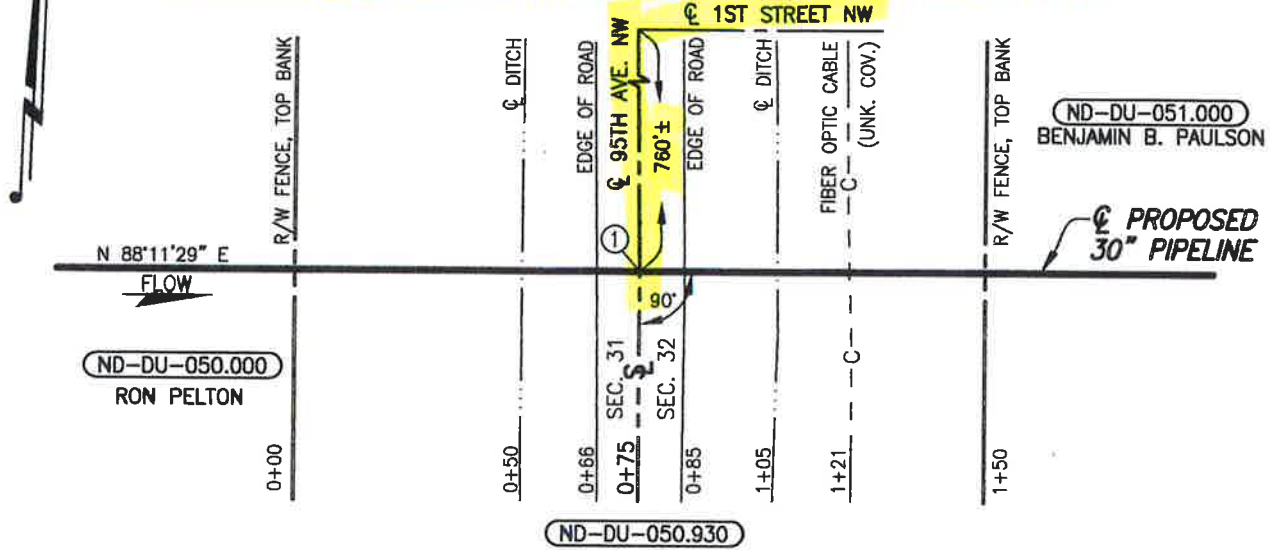
Clare Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

ND-Du-050.930
 95 ave NW

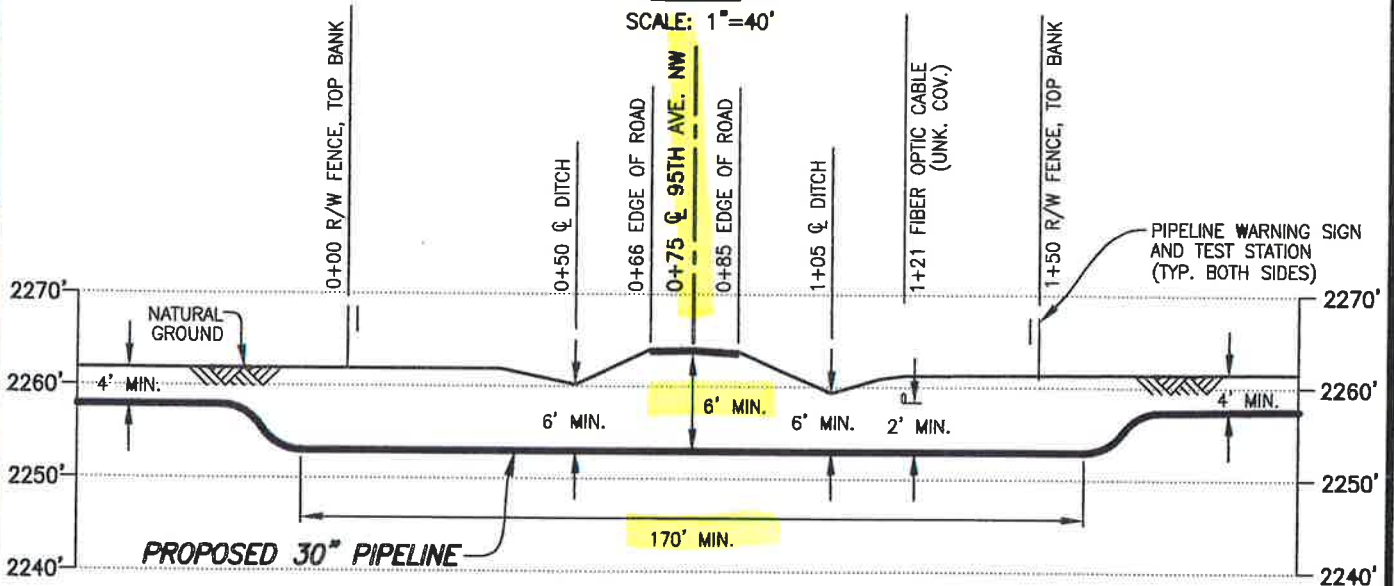
DUNN COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 146 NORTH, RANGE 93 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2242303.49
Y=17242722.59

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ϕ 95TH AVENUE NW
AT STA. 0+75, ELEV. 2264.09'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

 DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
95TH AVENUE NW**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JMH	DATE: 10/22/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-050.930	D
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

94 Ave NW (S-32/33) (T-146) (R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeded thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-052.900
94 Ave NW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE Vice President, Land and Right of Way **TITLE**

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489

Last revised 10/04/13

ND-Du-052.900
94 Ave NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
94 Ave	West	32	146	93	W102°32.760'	N47°24.390'
94 Ave	East	33	146	93	W102°32.756'	N47°25.396'

Temp
Temp

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

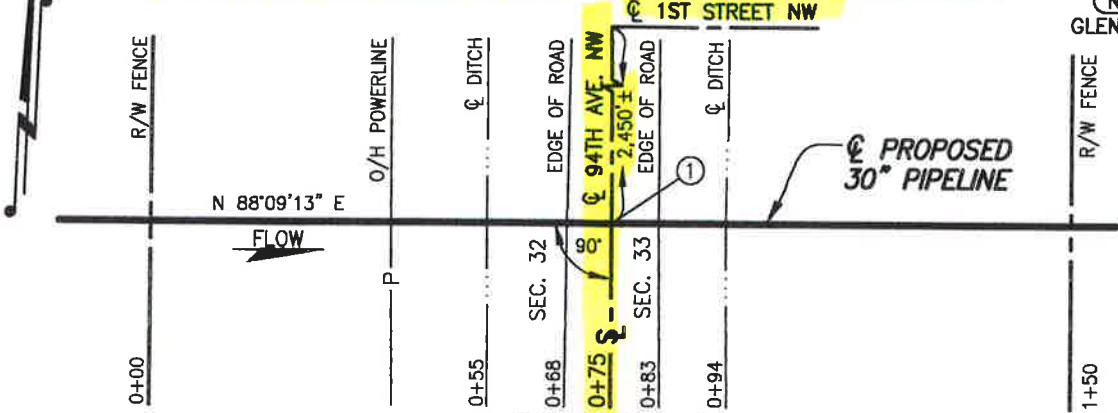
3-3-16
 Dated

ND-DU-052.900
 94 Ave NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 32 & 33, TOWNSHIP 146 NORTH, RANGE 93 WEST

ND-DU-053.000
GLENN E. ECKELBERG



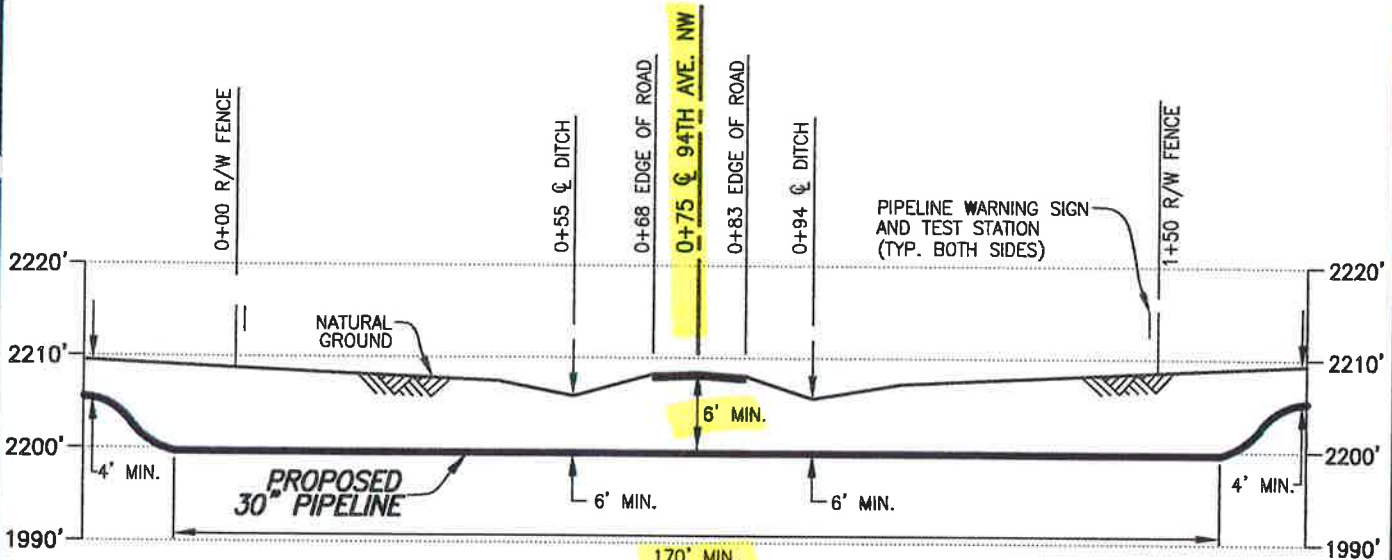
ND-DU-052.000

CHARLES DARCY LIFE ESTATE

ND-DU-052.900

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2247651.79
Y=17241132.15

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 94TH AVENUE NW AT STA. 0+75, ELEV. 2208.40'

REV.	DATE	BY	DESCRIPTION	CHK.
D	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 94TH AVENUE NW

PROJECT NO. 10395700

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 10/22/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-052.900	D
SCALE: N.T.S.	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

2.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-I

FILE: R.V

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

93 Ave NW (S-33/34) (T-146) (R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489

Last revised 10/04/13

ND-DU-056.900
93 Ave NW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
93ave	West	33	146	93	W102° 31.47A	N47°25.115'
93ave	East	34	146	93	W102° 31.477	N47°25.117'

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, HOUSTON, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**


 County Road Supt. Approved

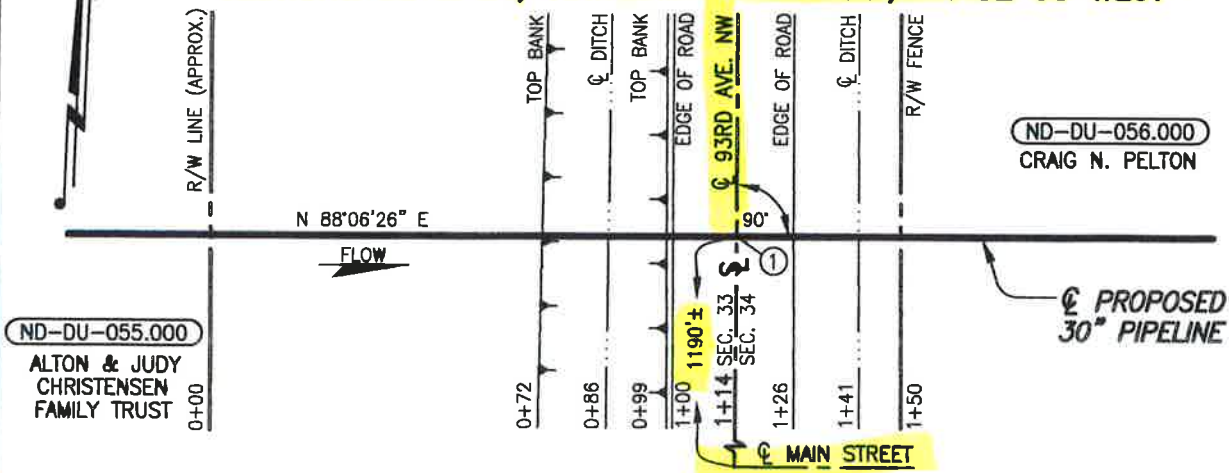
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

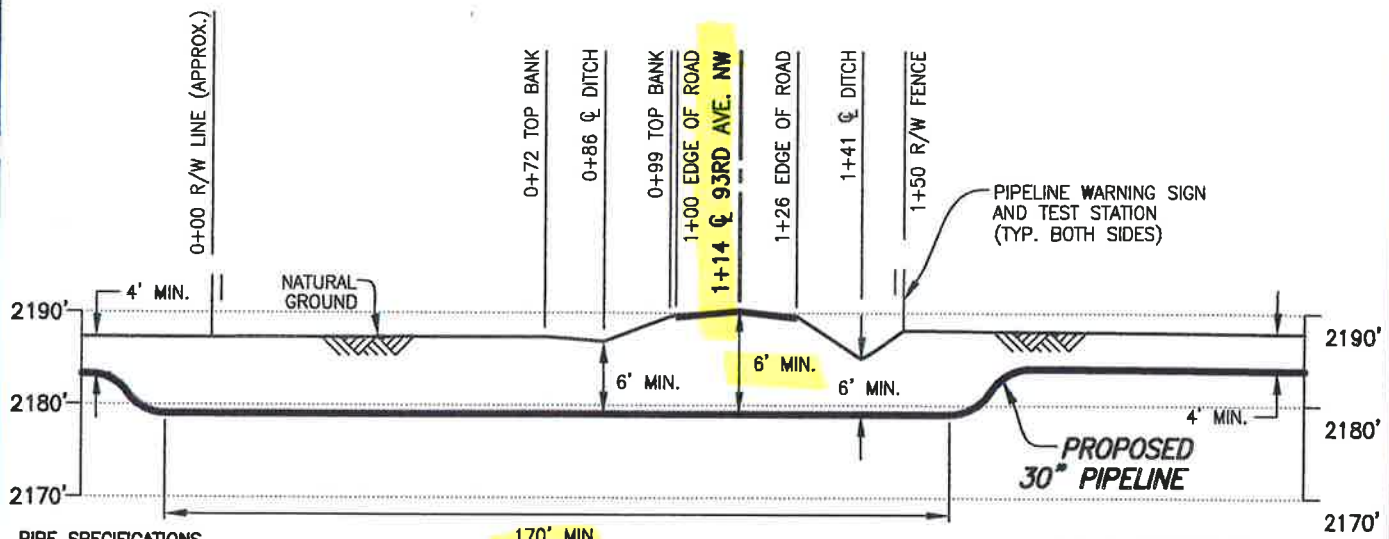
ND-DU-056.900
 93 Ave NW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 33 & 34, TOWNSHIP 146 NORTH, RANGE 93 WEST



ND-DU-056.900
PLAN
 SCALE: 1"=40'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=40' HORIZ.
 1"=20' VERT.


① X=2252990.82
 Y=17239643.63
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 93RD AVENUE NW
 AT STA. 1+14, ELEV. 2190.38'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-6.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C


 DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING
93RD AVENUE NW

DUNN COUNTY NORTH DAKOTA

DRAWN BY: MS	DATE: 01/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-056.900	B
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

MAIN STREET (S-3413)(T-146/145)(R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-Du-057.920
Main STREET

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 20~~th~~ day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-057.920
MAIN STREET

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
Temp Main St.	NORTH	34	146	93	W102°30.747'	N47°24.921'
Temp Main St.	SOUTH	3	145	93	W102°30.749'	N47°24.918'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

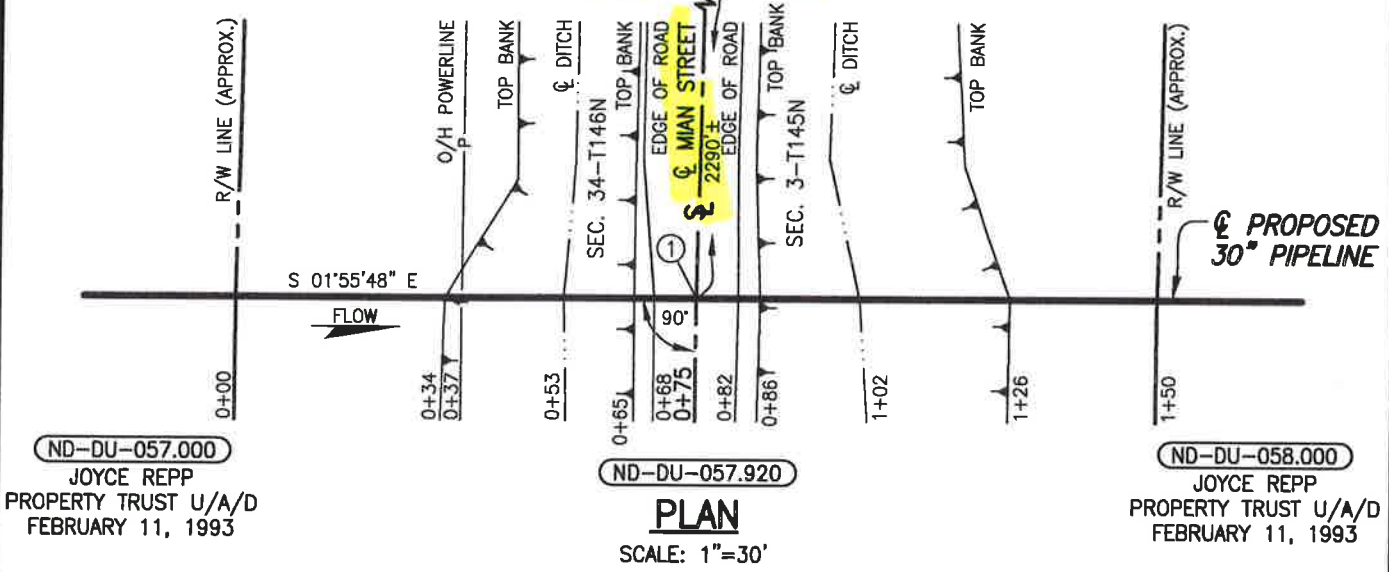
3-3-16
 Dated

ND-DU-057.920
 MAIN STREET

DUNN COUNTY, NORTH DAKOTA

SECTIONS 3 & 34, TOWNSHIPS 145 & 146 NORTH, RANGE 93 WEST

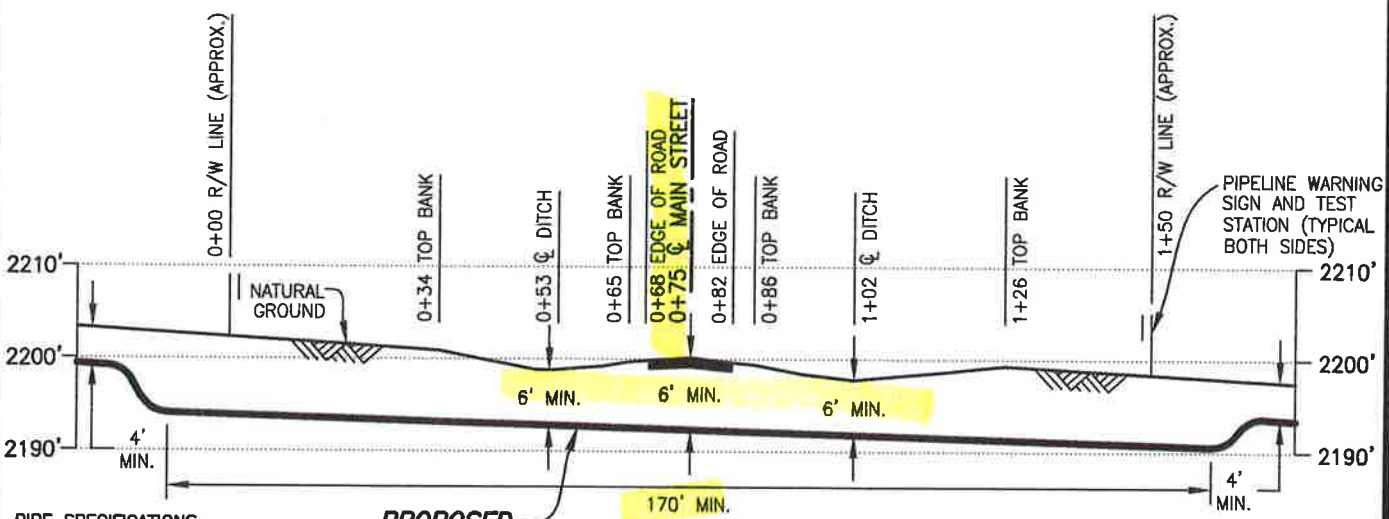
92ND AVENUE NW



ND-DU-057.000
JOYCE REPP
PROPERTY TRUST U/A/D
FEBRUARY 11, 1993

ND-DU-057.920
PLAN
SCALE: 1"=30'

ND-DU-058.000
JOYCE REPP
PROPERTY TRUST U/A/D
FEBRUARY 11, 1993



PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE
PROFILE
SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2256028.72
Y=17238538.06
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ☉ MAIN STREET
AT STA. 0+75, ELEV. 2200.13'

FILE: R:\Pro. 03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-.0.dwg PLOT DATE: 12/29/2015 BY: PALACIOS, OSCAR

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	OP	ISSUED FOR USE/PERMIT	RG
A	04/22/15	PRV	ISSUED FOR USE/PERMIT	PN
PROJECT NO.			10395700	
<p>WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C</p>				

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING MAIN STREET

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/20/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-DU-057.920	B
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

92 ave SW (S-3/2)(T-145)(R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802-989-2489

Last revised 10/04/13

ND-Du-059-900
92 AVE SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
92 Ave	West	3	145	93	W102°30.19S	N47°24.832
92 Ave	East	2	145	93	W102°30.192'	N47°24.830

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

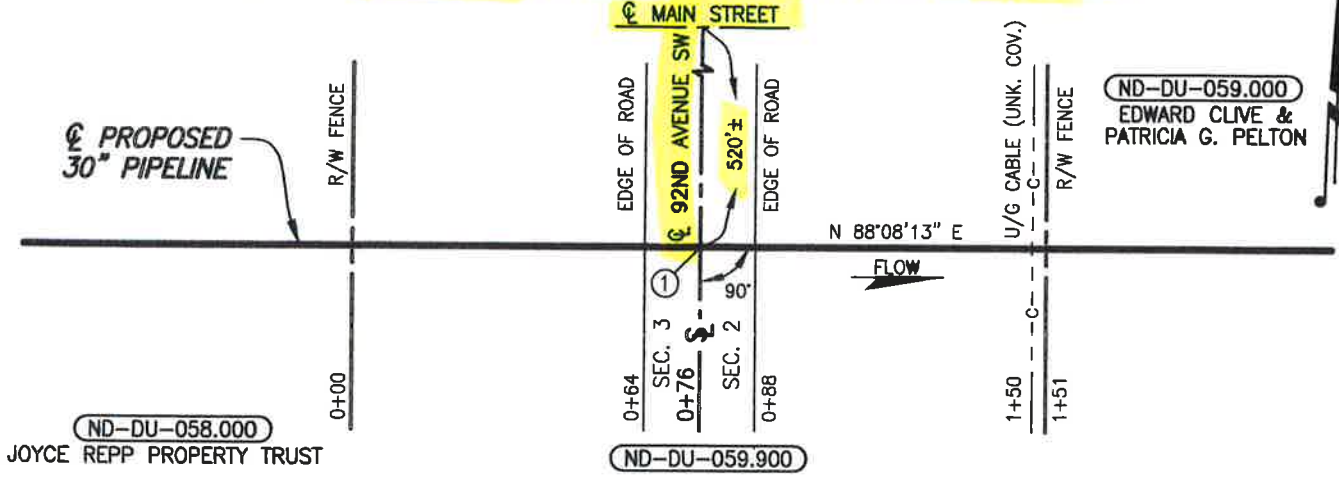
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

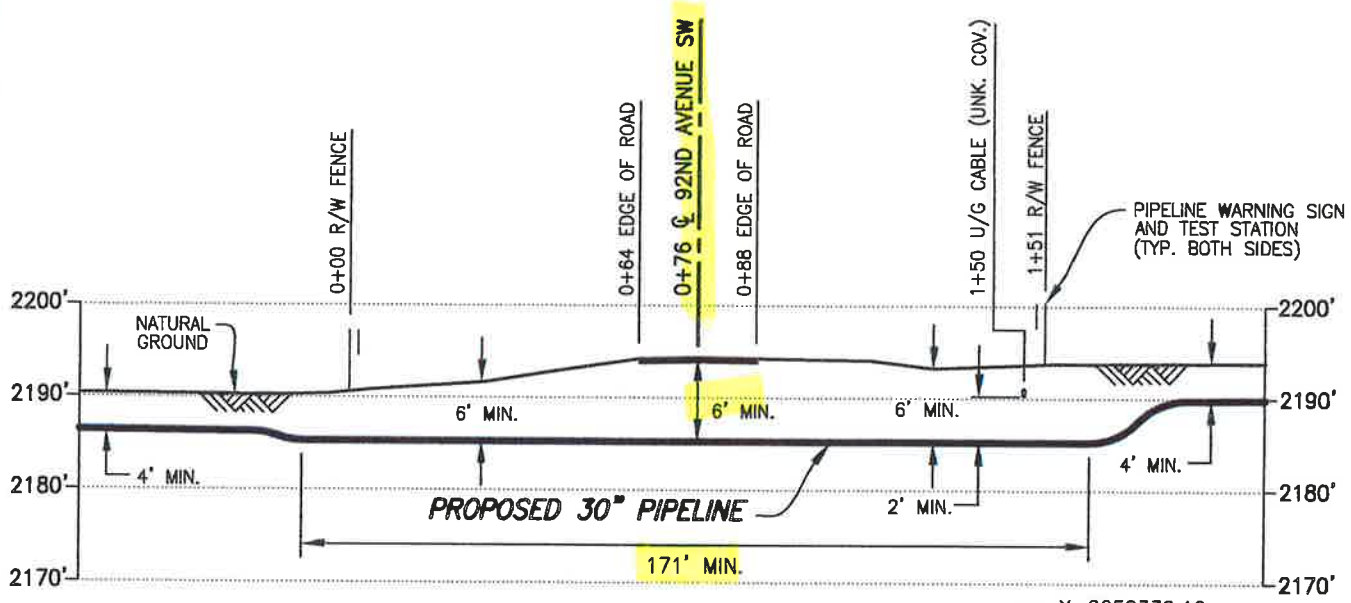
ND-DU-059.900
 92 ave SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 2 & 3, TOWNSHIP 145 NORTH, RANGE 93 WEST



PLAN
SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 92ND AVENUE SW AT STA. 0+76, ELEV. 2194.34'

D	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 92ND AVENUE SW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: ET	DATE: 09/24/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-059.900	D
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-9.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
91 Ave SW	West	2	145	93		
91 Ave SW	East	1	145	93		

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

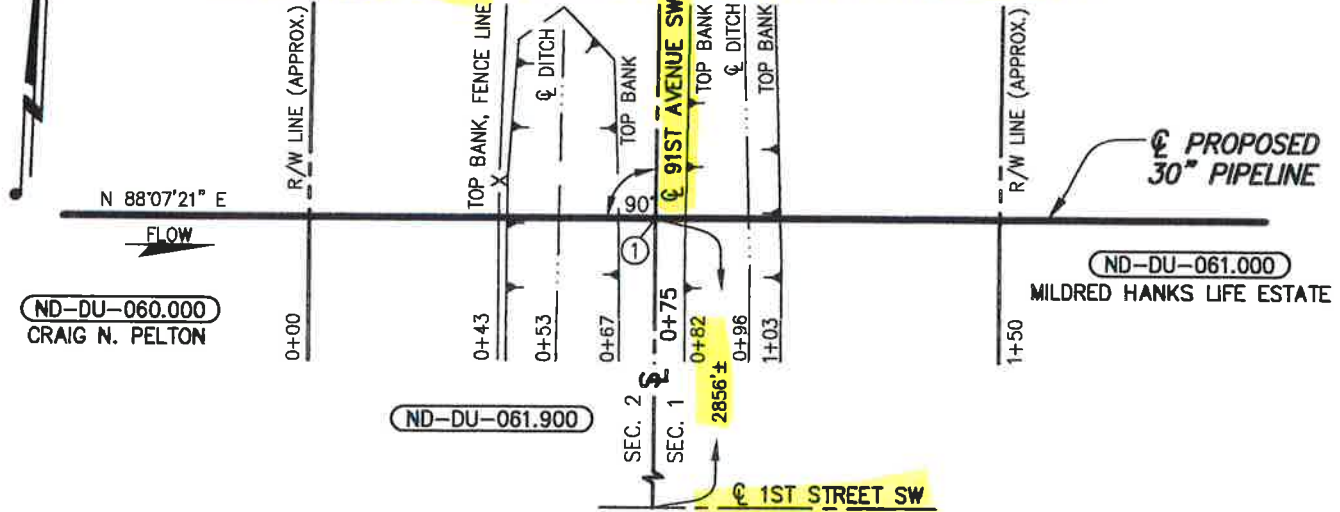
3-3-16
 Dated

NOTE old Section line
 Not traveled much

ND-Du-061.900
 91 ave SW

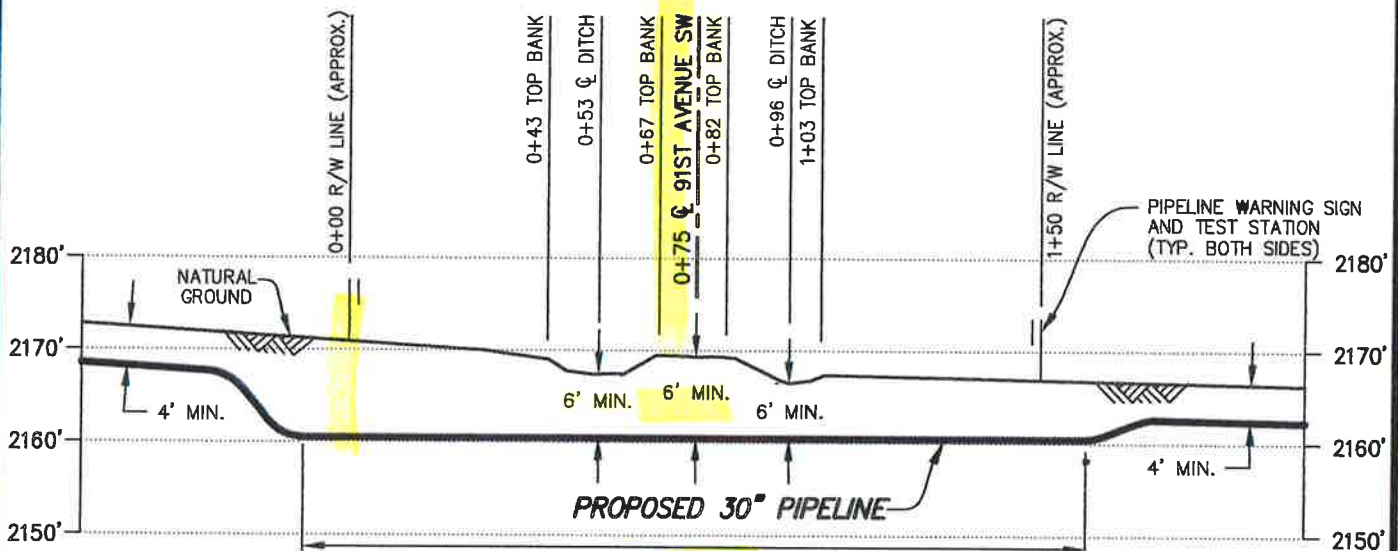
DUNN COUNTY, NORTH DAKOTA

SECTIONS 2 & 1, TOWNSHIP 145 NORTH, RANGE 93 WEST



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

① X=2263692.14
Y=17236361.56

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ϕ 91ST AVENUE SW AT STA. 0+75, ELEV. 2169.24'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	PM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	OP	ISSUED FOR REVIEW	

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 91ST AVENUE SW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/12/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-061.900	C
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

91 Ave SW (S-211) (T-145) (R-93)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-061.900
91 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

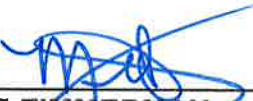
- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489
 Last revised 10/04/13 ND-DU-061.900
CLARE SW

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

90 AVE SW (S-1/6)(T-145)(R-93/92)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-062.900
90 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-062.900
90 AOE SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
90 Ave SW	West	1	145	93		
90 Ave SW	EAST	6	145	92		


Temp
Temp

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

NOTE: old Section line Rd

ND-DU-062.900
 90 Ave SW

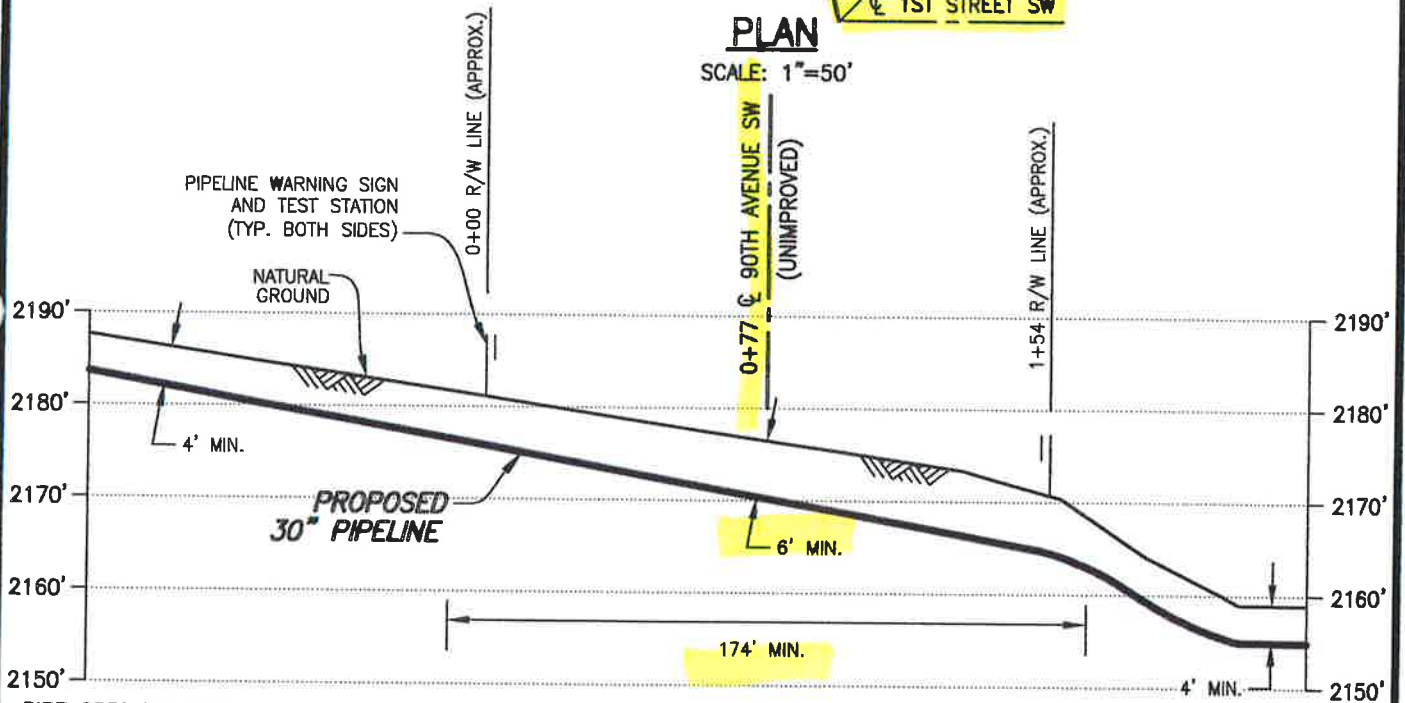
DUNN COUNTY, NORTH DAKOTA

SECTIONS 1 & 6, TOWNSHIP 145 NORTH, RANGES 92 & 93 WEST



PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=2269007.71
 Y=17234766.95

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ☉ 90TH AVENUE SW AT STA. 0+77, ELEV. 2176.46'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING

90TH AVENUE SW

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JTM	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-062.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-2.900.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

1 ST. SW (S-10/7) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGS 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489
 Last revised 10/04/13 ND-DU-065.910
1 ST. SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
1ST. SW	NORTH	6	145	92	W102°26.398'	N47°24.039'
1ST. SW	SOUTH	7	145	92	W102°26.400'	N47°24.036'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	Yes Sec 6	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**

Del Olson
 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

ND-Du-065.910
 1 st. SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 6 & 7, TOWNSHIP 145 NORTH, RANGE 92 WEST

89TH AVE. SW

ND-DU-065.000
ZANE VOIGT

PROPOSED
30" PIPELINE

ND-DU-066.000

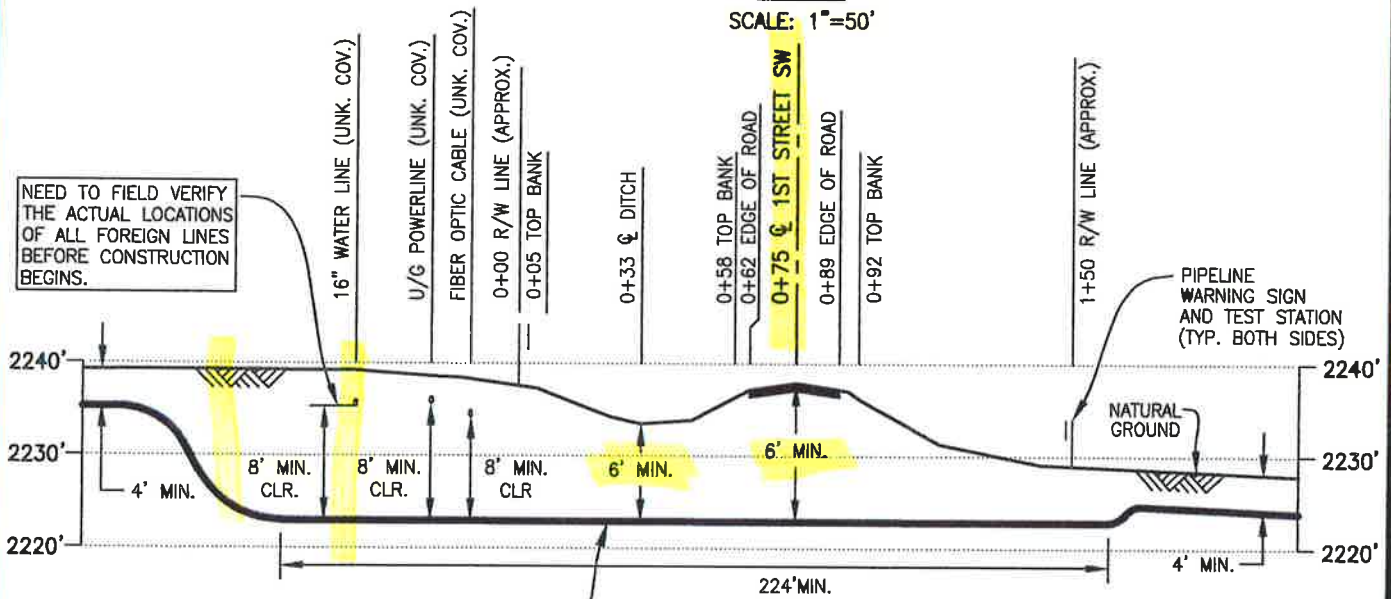
HELEN R. MCMAHEN
IRREVOCABLE MINERAL TRUST
HELEN R. MCMAHEN, TRUSTEE

ND-DU-065.910

PLAN

SCALE: 1"=50'

NEED TO FIELD VERIFY
THE ACTUAL LOCATIONS
OF ALL FOREIGN LINES
BEFORE CONSTRUCTION
BEGINS.



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED
30" PIPELINE

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2274149.48
Y=17233765.31

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: 1ST STREET SW
AT STA. 0+75, ELEV. 2237.83'

REV.	DATE	BY	DESCRIPTION	CHK.
D	07/01/15	RG	ISSUED FOR USE/PERMIT	
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
1ST STREET SW**

PROJECT NO. 10395700

DUNN COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: OP

DATE: 09/24/14

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-DU-065.910

D

SCALE: AS SHOWN

APP.:

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

89 AVE SW (S-718) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeded thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-067.900
89 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-067.900
89 AVE SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
89 ave SW	West	7	145	92	W102°26.365'	N47°23.931'
89 ave SW	EAST	8	145	92	W102°26.263'	N47°23.929'

Temp
Permanent

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way

Del Olson
 County Road Supt. Approved

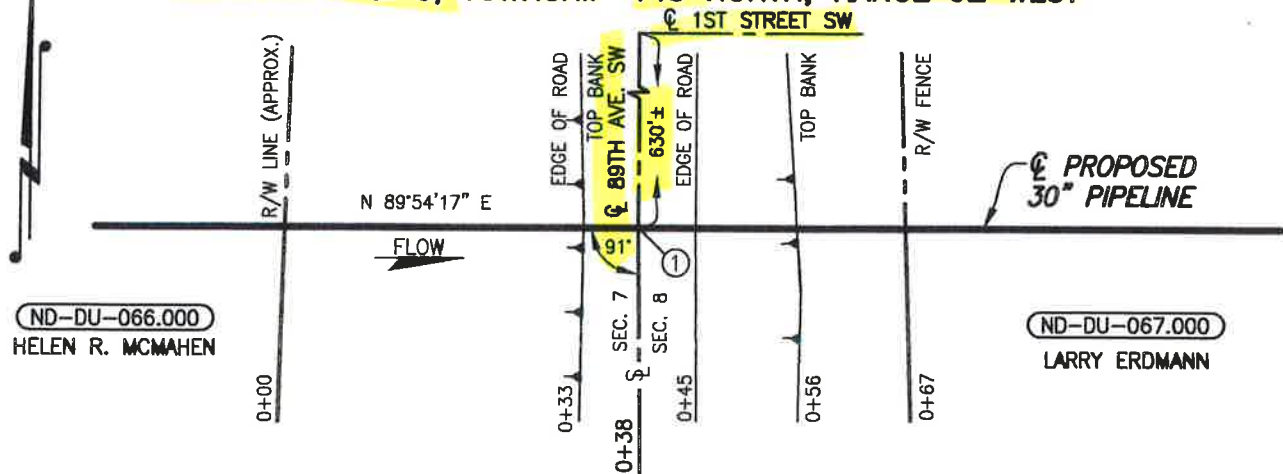
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3/3/16
 Dated

ND-DU-067.900
 89 Ave SW

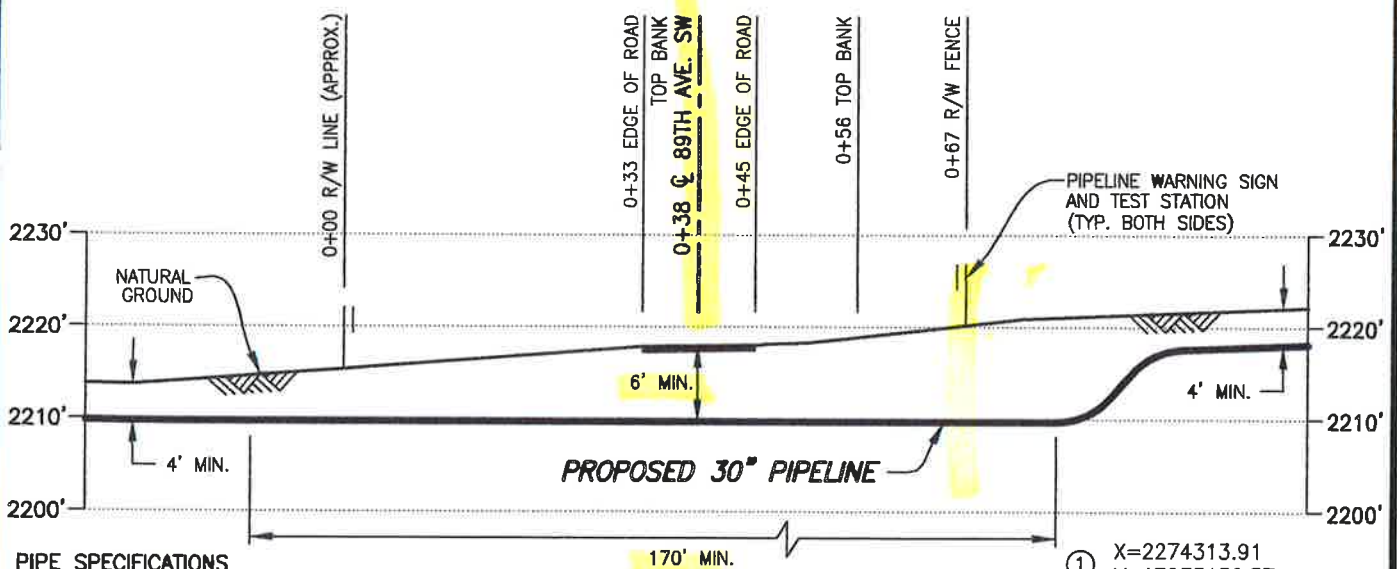
DUNN COUNTY, NORTH DAKOTA

SECTIONS 7 & 8, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

① X=2274313.91
Y=17233132.57

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 89TH AVENUE SW AT STA. 0+38, ELEV. 2217.96'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/29/15	PRV	LINE CHANGE, ISSUED FOR REVIEW	
A	11/04/14	JWH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 89TH AVENUE SW

PROJECT NO. 10395700

DUNN COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: JWH	DATE: 9/16/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-067.900	C
SCALE: AS SHOWN	APP.:		

IN COUNTY\103957-PB-ND-DU-067.900.dwg PLOT DATE: 2/28/2015 BY: MARINEZ, PABLO

J:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKO

FILE: \\

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

88 AVE SW (S-8/a) (T-45) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-067.910
88 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

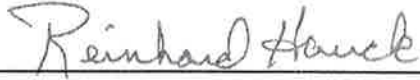
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

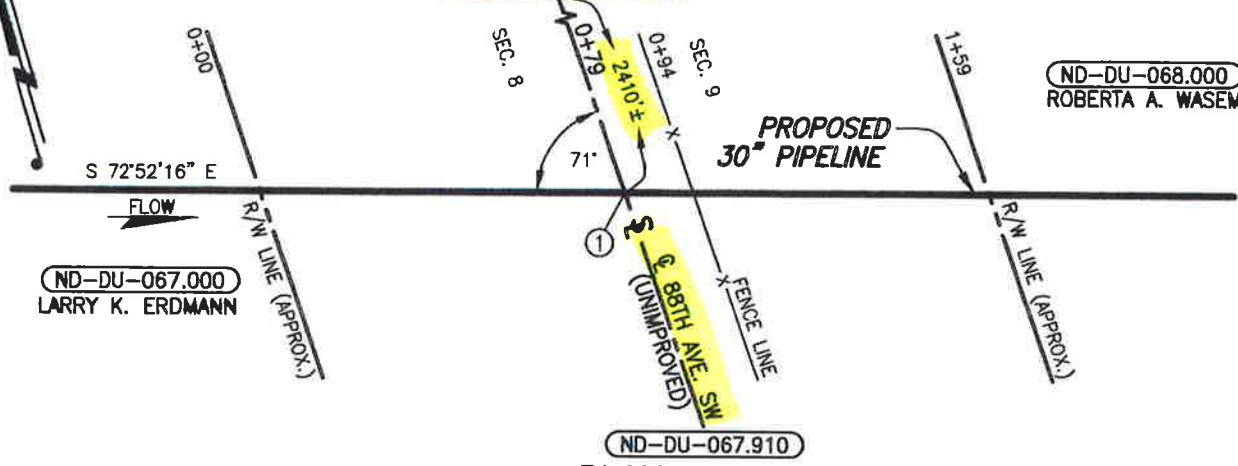
90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-067.910
88 AVE SW

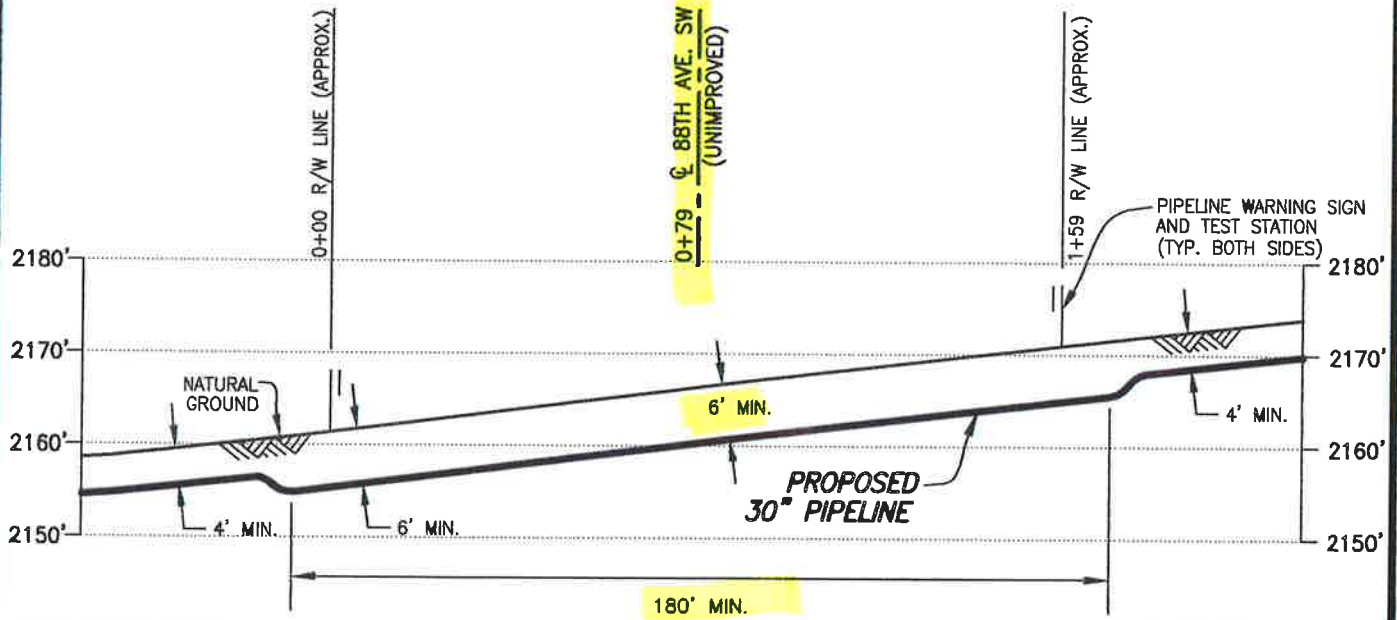
DUNN COUNTY, NORTH DAKOTA

SECTIONS 8 & 9, TOWNSHIP 145 NORTH, RANGE 92 WEST
 § 1ST STREET SW



PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
 1"=20' VERT.

① X=2279637.65
 Y=17231519.10

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: § 88TH AVENUE SW (UNIMPROVED) AT STA. 0+79, ELEV. 2166.30'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-17,910.dwg PLOT DATE: 5/6/2015 BY: HUMBERSON, JEREMY

REV.	DATE	BY	DESCRIPTION	CHK.
A	05/07/15	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 88TH AVENUE SW (UNIMPROVED)

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: NLP	DATE: 04/17/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-DU-067.910	A
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

87 AVE SW (S-9/10) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-068.900
87 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, Bismarck, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

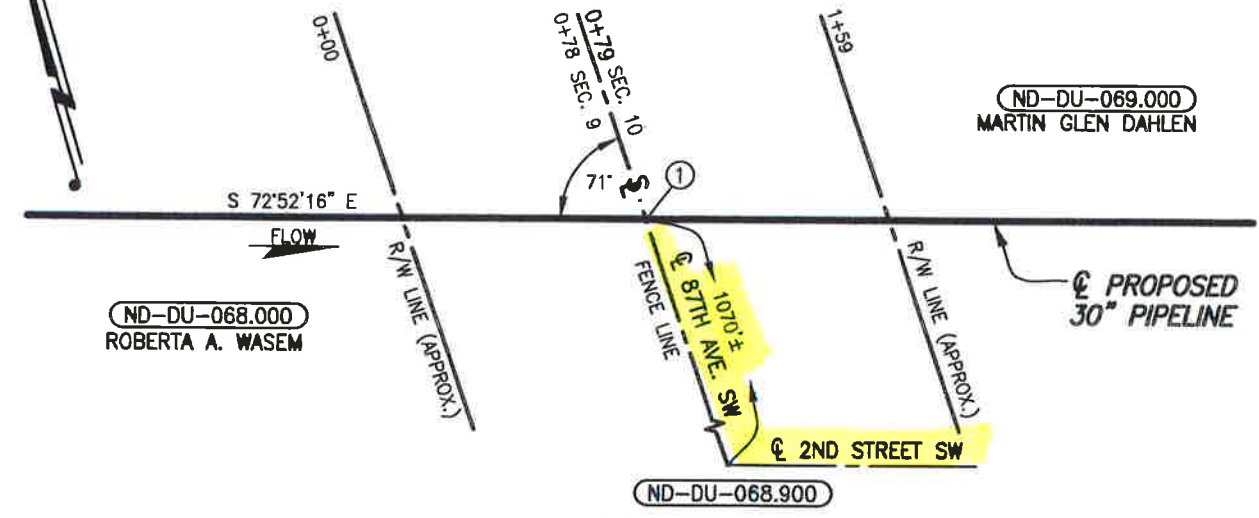
Last revised 10/04/13

ND-DU-068.900

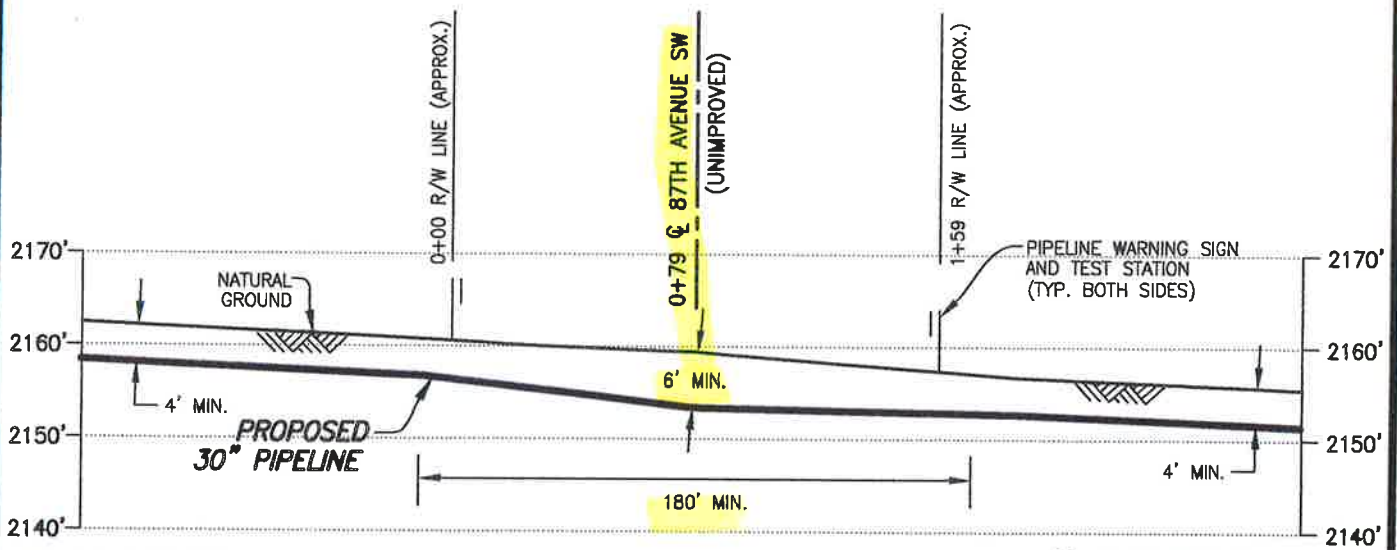
87 Ave SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 9 & 10, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN
SCALE: 1"=60'



PROFILE
SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=2284956.26
Y=17229879.95

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 87TH AVENUE SW (UNIMPROVED) AT STA. 0+79, ELEV. 2159.36'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	04/22/15	JMH	ISSUED FOR USE/PERMIT	PN
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
87TH AVENUE SW (UNIMPROVED)**

DUNN COUNTY NORTH DAKOTA

DRAWN BY: CHA	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-068.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-.8.900.dwg PLOT DATE: 4/23/2015 BY: HUMBERSON, JEREMY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

2nd ST SW (S-10/15)(T-145)(R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-069.915
2nd ST SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

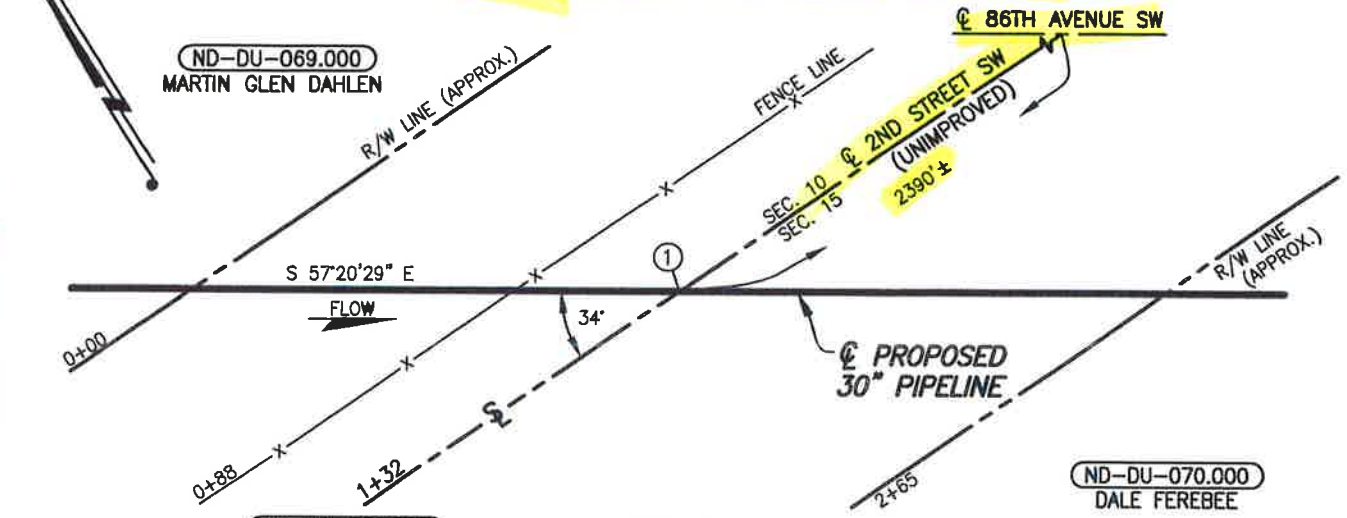
% CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-069-915
2nd ST SW

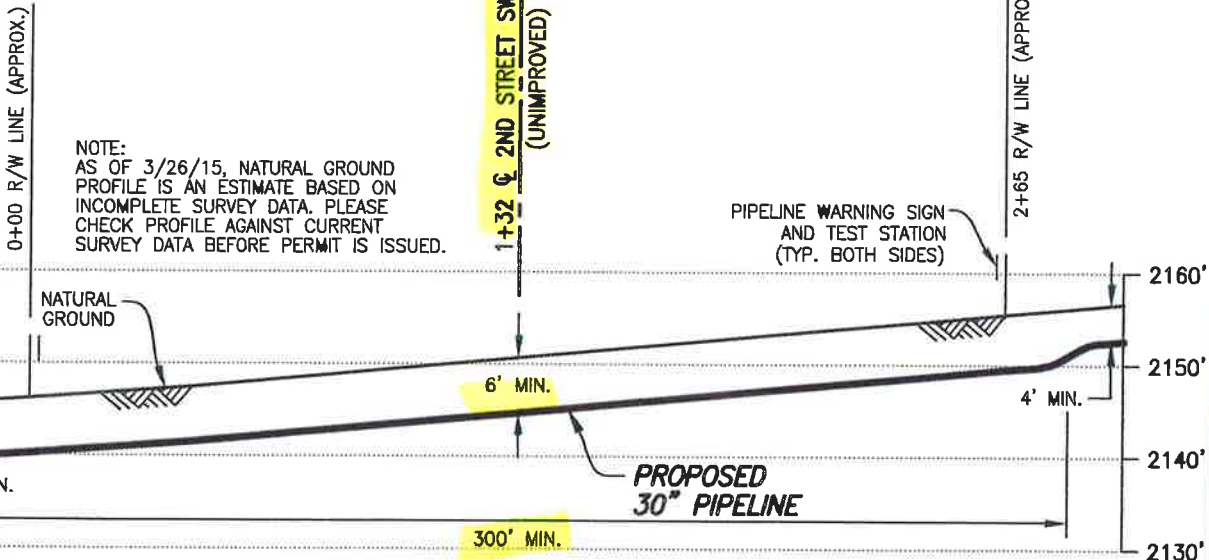
DUNN COUNTY, NORTH DAKOTA

SECTIONS 10 & 15, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2287868.68
Y=17228926.97

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: \odot 2ND STREET SW (UNIMPROVED) AT STA. 1+32, ELEV. 2150.67'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 827C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 2ND STREET SW (UNIMPROVED)

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/26/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/27/15	ND-DU-069.915	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-9.915.dwg PLOT DATE: 3/30/2015 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

86 AVESW (S-15/14) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-070.900
86 AVESW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

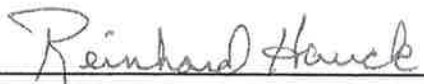
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-070.900
86 Ave SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
86 AVE SW	WEST	15	145	92	W102° 22' .535	N47° 22' .915
86 AVE SW	EAST	14	145	92	W102° 22' .532	N47° 22' .921

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Del Olson
 Vice President, Land and Right of Way County Road Supt. Approved

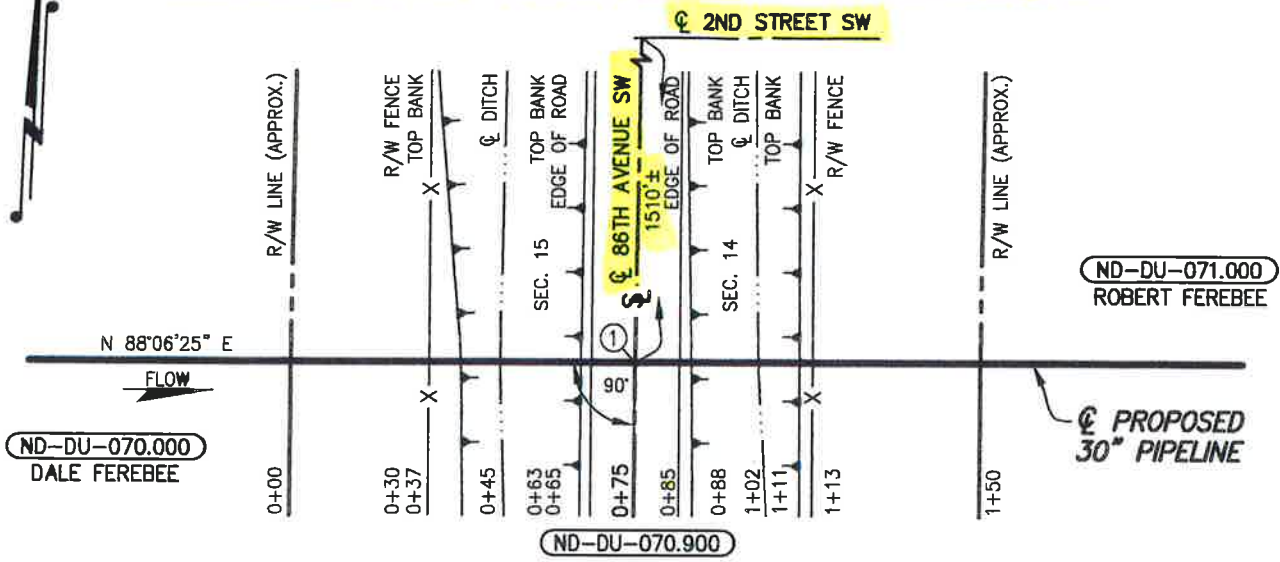
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-2-14
 Dated

ND-DU-070.900
 86 Ave SW

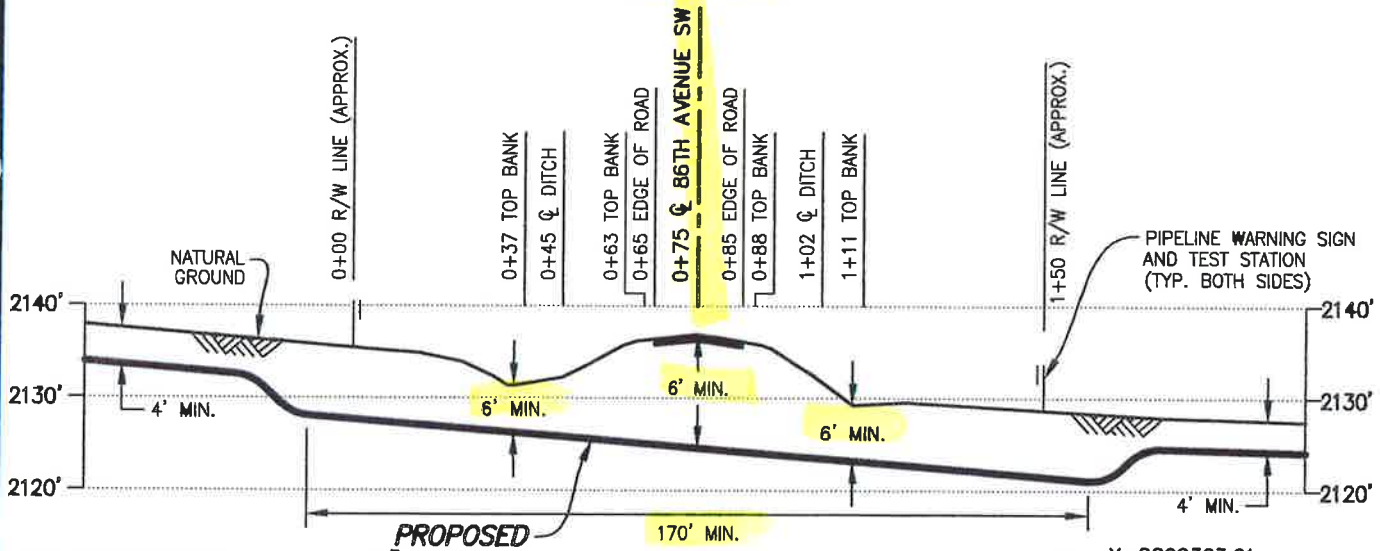
DUNN COUNTY, NORTH DAKOTA

SECTIONS 15 & 14, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN

SCALE: 1"=40'



① X=2290323.91
Y=17227497.56

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ 86TH AVENUE SW AT STA. 0+75, ELEV. 2136.86'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

REV.	DATE	BY	DESCRIPTION	CHK.
A	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 86TH AVENUE SW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 05/06/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 09/04/15	ND-DU-070.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-0.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

85 AVE SW (S-14/13) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-073.900
85 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-073.900
85 AVE SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp


Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
85 Ave SW	West	14	15	92	W102°21.258'	N47°22.365'
85 Ave SW	East	13	15	92	W102°21.257'	N47°22.360'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**


 County Road Supt. Approved

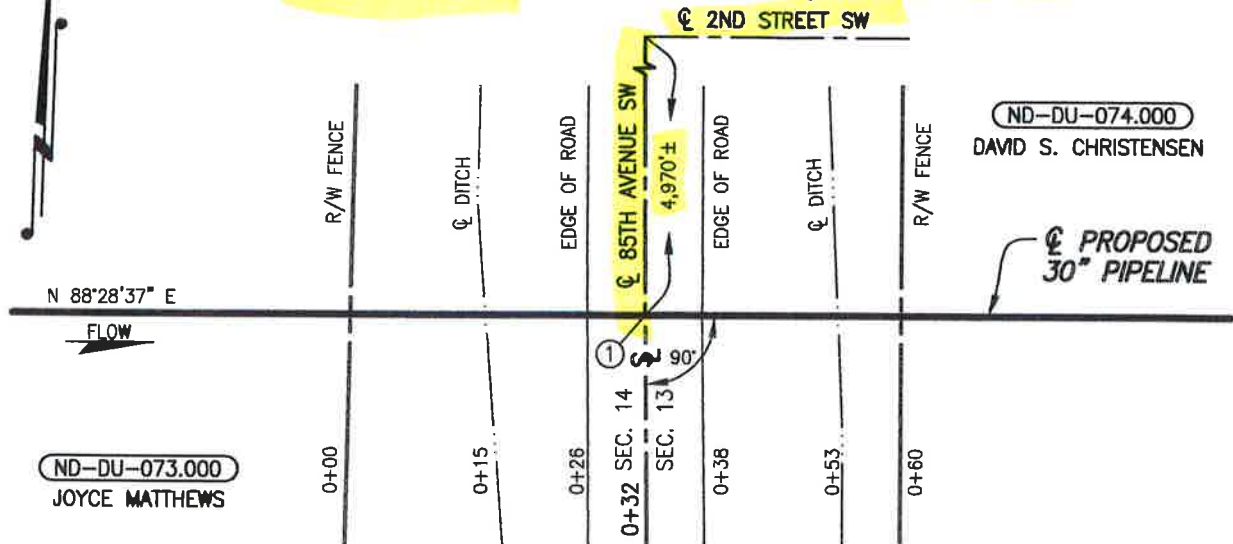
Clare Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-3-16
 Dated

ND-DU-073900
85 Ave SW

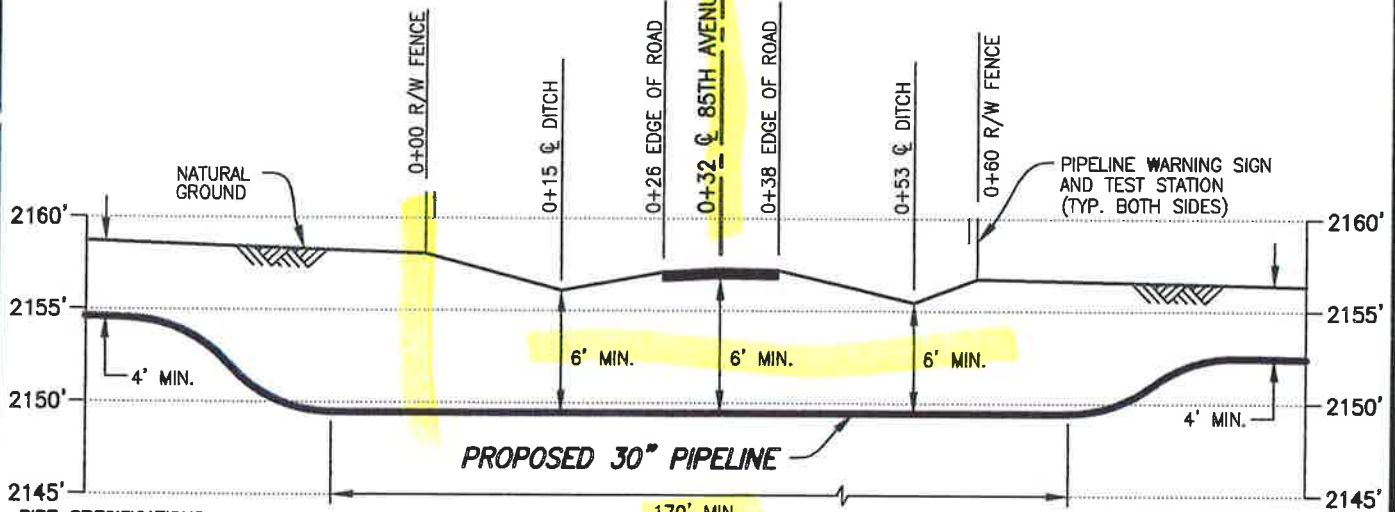
DUNN COUNTY, NORTH DAKOTA

SECTIONS 13 & 14, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN ND-DU-073.900

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=10' VERT.

① X=2295709.87
Y=17224216.30

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 85TH AVENUE SW AT STA. 0+32, ELEV. 2157.19'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	PRV	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
85TH AVENUE SW**

PROJECT NO. 10395700

DUNN COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: OP	DATE: 9/16/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-073.900	D
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\103957-P8-ND-3.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

3 St. SW (S-13/24) (T-145) (R-92)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-074.900
3 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 20 16, at MANNING, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

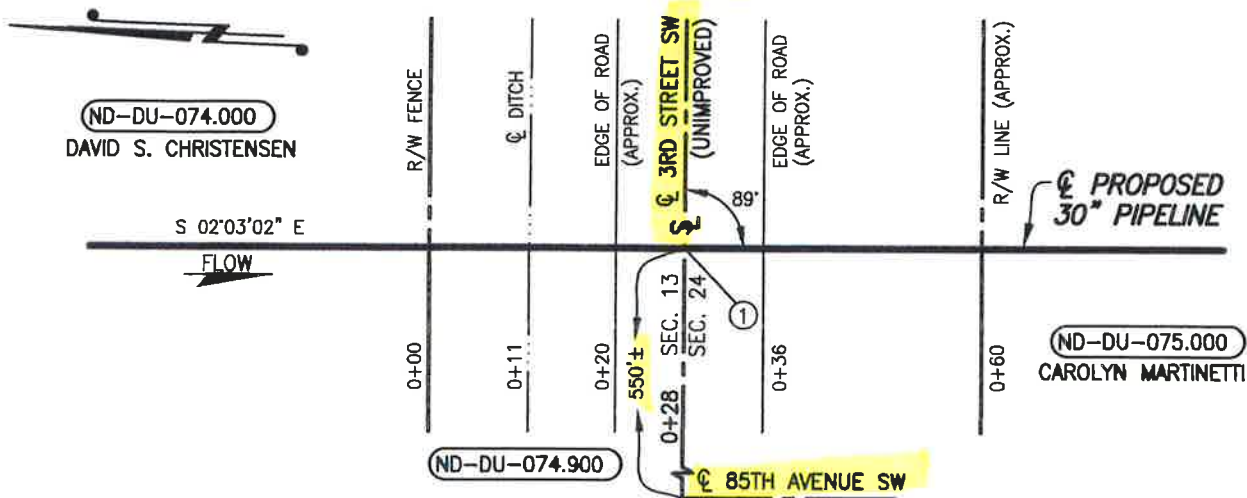
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

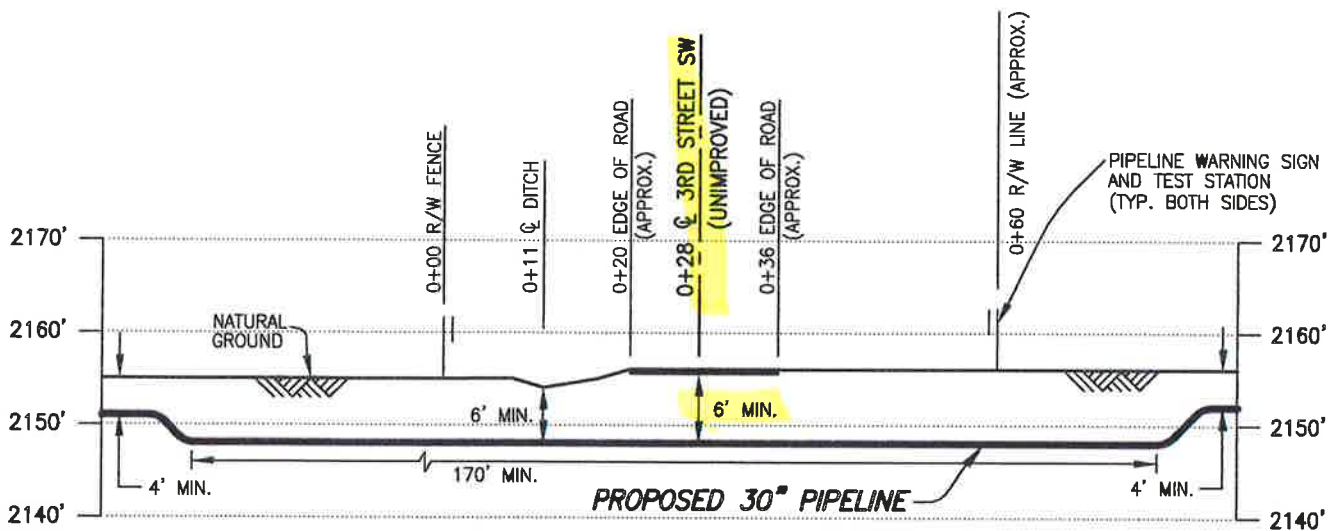
ND-DU-074.900
3 ST. SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 13 & 24, TOWNSHIP 145 NORTH, RANGE 92 WEST



PLAN
SCALE: 1"=20'



PROFILE

SCALE: 1"=20' HORIZ.
1"=20' VERT.

① X=2296272.96
Y=17223910.57

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 3RD STREET SW AT STA. 0+28, ELEV. 2156.30'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MAOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

D	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
3RD STREET SW (UNIMPROVED)**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: AVD	DATE: 9/16/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-074.900	D
SCALE: AS SHOWN	APP.:		

4.900.dwg PLOT DATE: 9/18/2015 BY: VILLARREAL, PHIL

s:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-

FILE: R\

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

CM # 65160394

Document Number 16025	(FOR STATE USE ONLY)	Permit Number 52605
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APPLICANT INFORMATION

Prepared Company Name CONTRACT LADD STAFF		Prepared by CLAIRE CUNNINGHAM	
Owner of Facility DAKOTA ACCESS, LLC	City HOUSTON	State TX	Zip Code 77002
Mailing Address 1300 MAIN STREET			Telephone Number
Owner's Agent Claire Cunningham	City 1100 Weiss Ave Bismarck	State ND	Zip Code 58503
Owner's Contractor		State	Telephone Number 802.989.2489

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility CRUDE oil Pipeline - Cathodically protected		
Size of Facility 30" Steel	Number of Cables	Length of Down Guys
Pipeline Pressure MOP 1440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 2017

Company Name DAKOTA ACCESS, LLC	Owner's Name (Please Print) ROBERT ROSE
<u>1/29/16</u> DATE	<u>[Signature]</u> OWNER'S SIGNATURE

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 18 day of March, 2016.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Lawrence Gargi
DISTRICT ENGINEER (TYPE OR PRINT)
[Signature]
SIGNATURE

ND-DU-077.900
SH 8

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 115.6894 End Ref. Point 115.6894

Highway No. <u>8</u>	<input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across	Lanes of traffic <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin <u>3640'</u> feet from reference marker	<u>115</u>
Direction <input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End <u>1640'</u> feet from reference marker	<u>116</u>
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

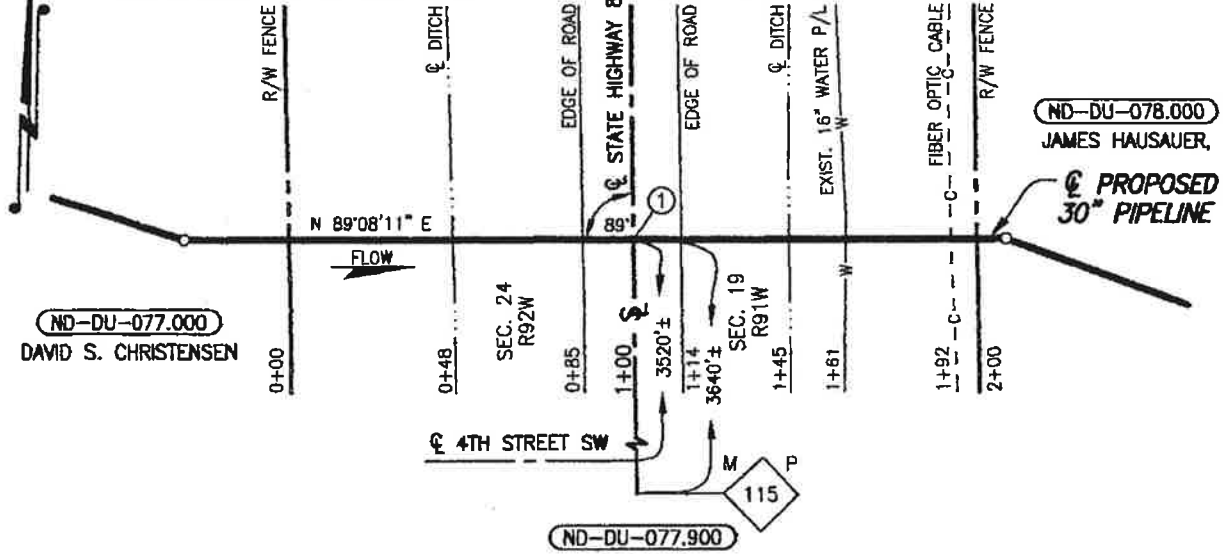
Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

MD-DU-077.900
SH 8

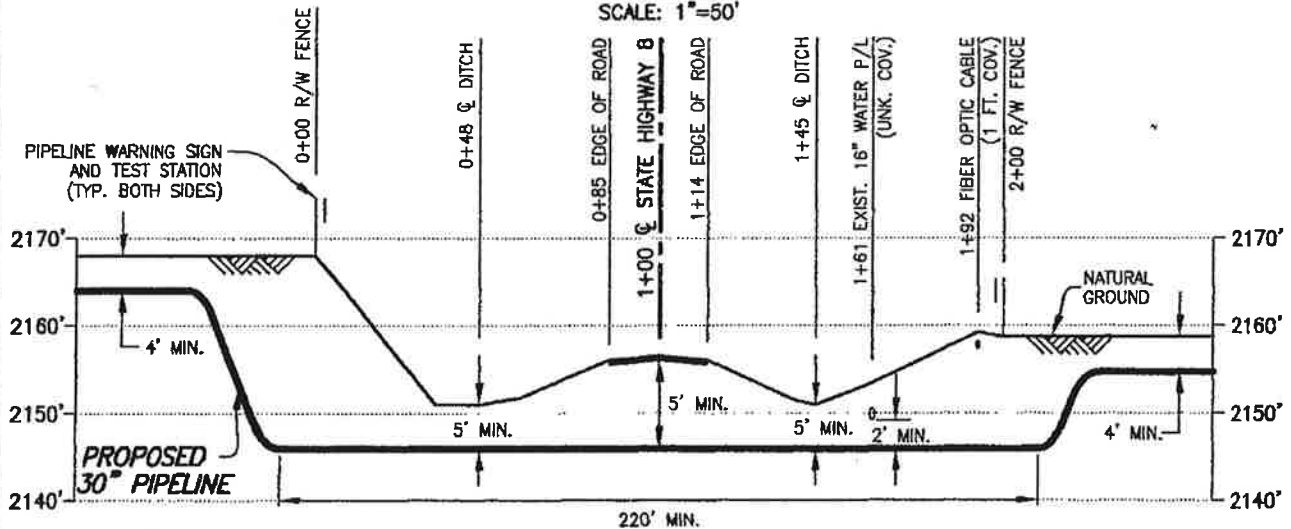
DUNN COUNTY, NORTH DAKOTA

SECTIONS 19 & 24, TOWNSHIP 145 NORTH, RANGES 91 & 92 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2301051.21
Y=17222452.91

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: § STATE HIGHWAY 8 AT STA. 1+00, ELEV. 2156.51'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

D	10/02/15	PM	ISSUED FOR USE/PERMIT	RC
C	03/02/15	PM	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	CHA	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
STATE HIGHWAY 8**

DUNN COUNTY

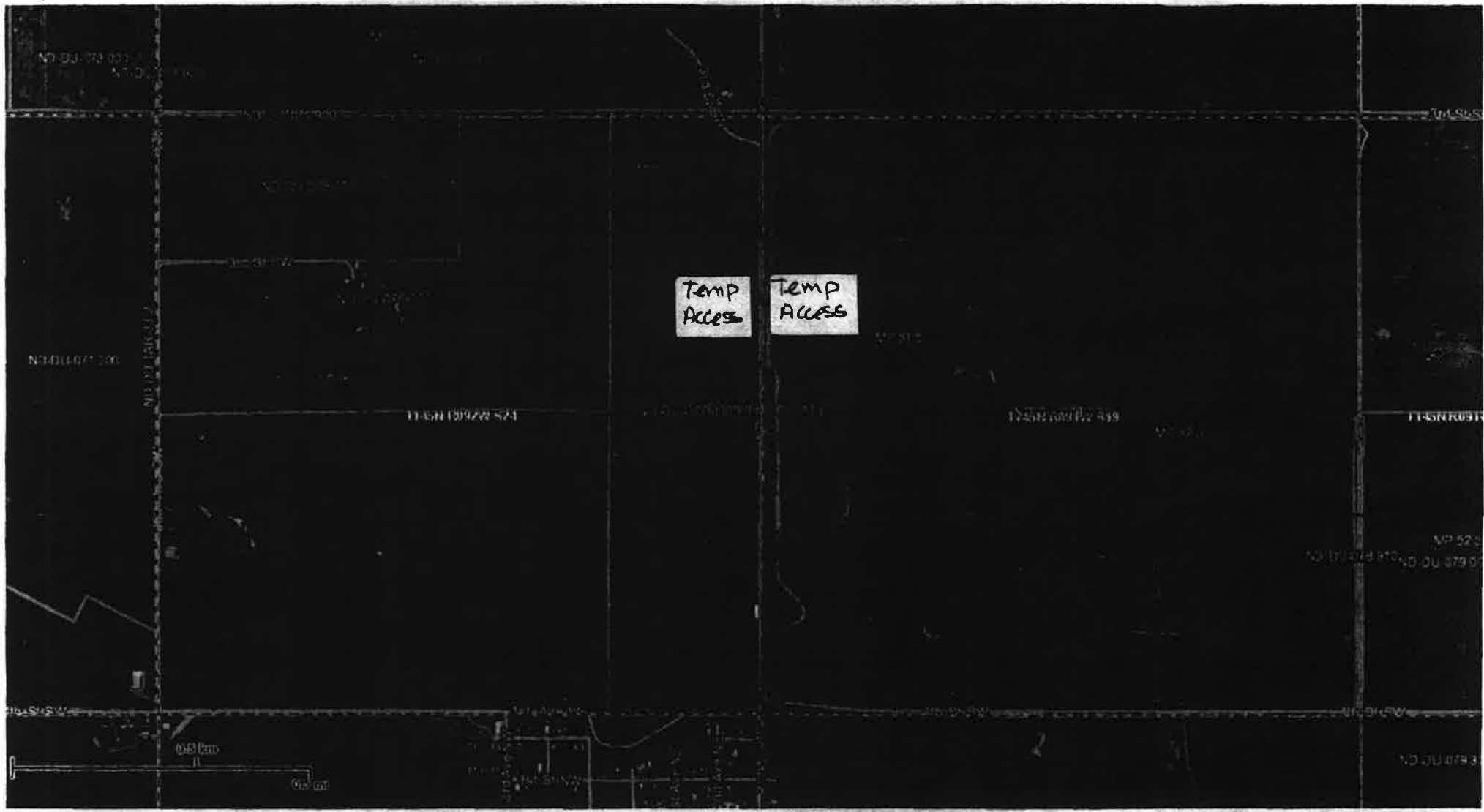
NORTH DAKOTA

DRAWN BY: APB	DATE: 09/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-077.900	D
SCALE: AS SHOWN	APP.:		

7.900.dwg PLOT DATE: 10/9/2015 BY: VILARREAL, PHIL

8:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957--PB--ND-

FILE: R\



ND-DU-077.900 SH 8
CLS LINK GIS Viewer **CLS** Contract

**Suggested Utility Conditions for Oil/Gas Along and/or Across
Primary and Secondary Highways**

April 1, 2003

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc. including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

1. **INSTALLATION AND MAINTENANCE:** Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:
2. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
3. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities.
4. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
5. [REDACTED]
6. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
7. For highway crossings, the buried telephone wire or cable shall be installed under the surfaced sections by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
8. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. Open trenches and pits shall be barricaded if left unattended.
9. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.
12. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
15. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.

- 20. Casing pipe, where installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.
- 24. The diameter of the hole for bored or jacked installations shall not exceed by more than one (1) inch the outside diameter of the facility. Oversized bores, overbreaks, and unused holes shall be backfilled with grout.
- 25. The location of the pipeline crossing shall be indicated by a marker post installed on each side of the highway at the right of way line. An identification sign shall be attached to one of the marker posts showing the name, address, and telephone number of the Recipient.
- 26. The Department of Transportation shall be notified in advance of any proposed change in the type of transmittant carried by the pipeline, or any increase in the maximum working pressure specified in the application for the permit.
- 28. Marker posts shall be installed at the highway right of way line at intervals not to exceed 1,000 feet. An identification sign shall be attached to one of the marker posts and shall show the name, address, telephone number, and location of the pipeline.
- 48. The casing pipe shall be continuous and shall extend a minimum of two (2) feet beyond the clear zone or two (2) feet beyond the toes of outer inslopes of the highway, whichever is further from the highway center line. The casing pipe shall be adequately sealed at both ends with suitable material that will prevent the formation of a waterway.
- 55. Casing is not required if approved extra wall thickness pipe is installed.

22. The contractor shall indemnify, defend, hold harmless, the State of Michigan, its agencies, and its employees, from and against all claims, damages, losses, and expenses, including all costs, expenses, and attorney's fees, which may in any manner arise out of or result from this project.



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME: PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : Old Republic Insurance Company		24147
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMPI/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER**CANCELLATION** See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 608 EAST BOULEVARD AVE.
 BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional insured** on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



JOEL M. WITT LAWRENCE CANAL
Williston District Engineer
Dickinson

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

ROBERT ROSE

Vice President, Land and Right of Way

Type or Print Name & Title


Signature

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

CU # 65160395
Permit Number **1605**
District Number **05**

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET	City Houston	State TX	ZIP Code 77002

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp	<input checked="" type="checkbox"/> pipeline construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route 8
Location 3640' NORTH of MP 115 SH 2		
Town	Highway SH 2	Mile Marker Number 115.6894 4118

Description of proposed work on state right of way and type of business served.
Temporary drives off SH 8 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

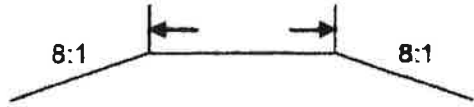
Rose Rose
Name (Type or Print)
[Signature]
Signature
Vice President, Land and Right of Way
Title
1/29/16
Date

Lawrence Gungl
District Engineer (Type or Print)
[Signature]
Signature
3/18/16
Date

Permit granted:
3/18/16
Date

Construction shall be completed by:
10/1/16
Date

Sketch:



ND-DU-077.900
21 0

DRIVEWAY PERMIT SPECIFICATIONS

1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns: except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicant's property.
6. No driveway, or improvement constructed on the highway right-of-way shall be altered or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. **Wetland:** The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that 1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, 2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, 3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
12. That in the event of breach of any of the above non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
13. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
14. District Engineer to provide copy of approved permit to NDDOT, Planning and Asset Management, Pavement Management Division.

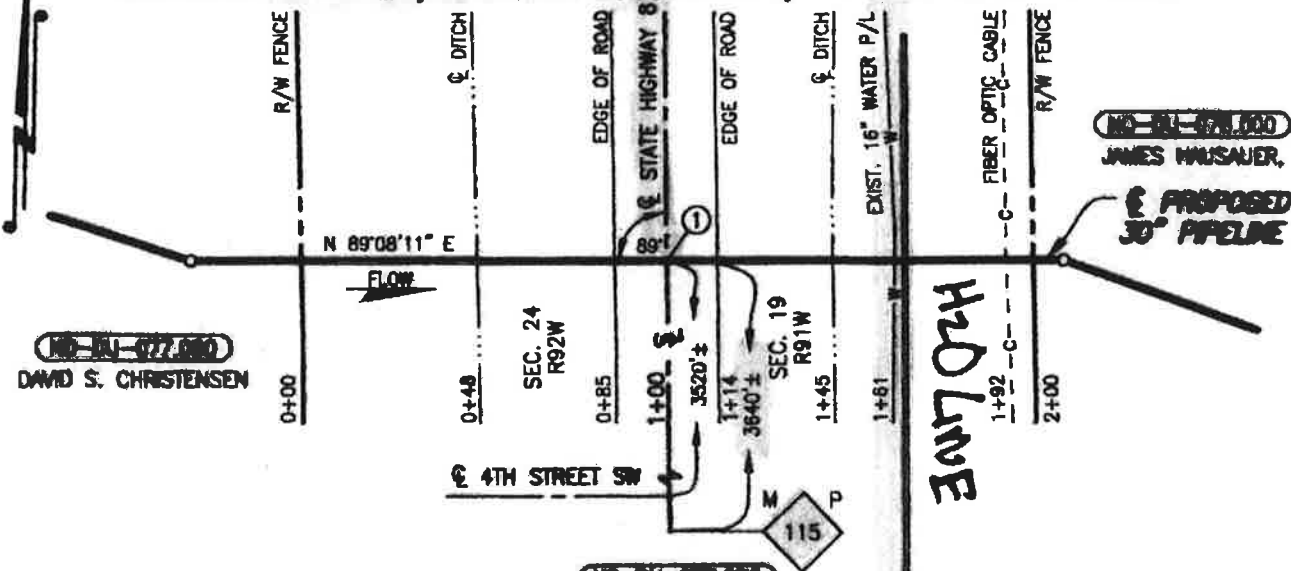
HWY 8



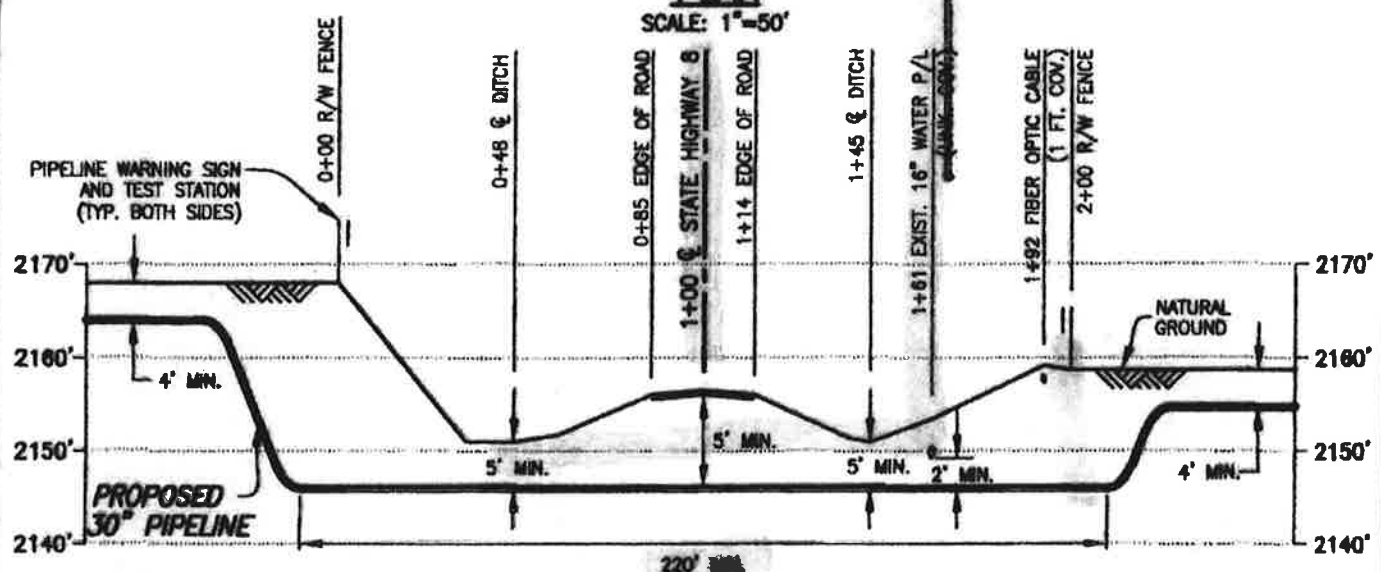
The access entrance will be East of pipeline centerline where the back slope is less on hwy 8 as on hwy 200 as it is moved e East

DUNN COUNTY, NORTH DAKOTA

SECTIONS 19 & 24, TOWNSHIP 145 NORTH, RANGES 91 & 92 WEST



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2301051.21
Y=17222462.91

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-18 MILS FBE
W/40 MILS APO
SERVICE: GRADE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAD83)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: § STATE HIGHWAY 8
AT STA. 1+00, ELEV. 2158.51'

D	10/15/15	PM	ISSUED FOR USE/PERMIT	RC
C	03/02/15	PM	ISSUED FOR USE/PERMIT	RC
B	07/22/15	JMH	ISSUED FOR REVIEW	
A	07/07/15	CHS	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



**PROPOSED 30" DAPL PIPELINE CROSSING
STATE HIGHWAY 8**

PROJECT NO. 10395700

DUNN COUNTY NORTH DAKOTA



DRAWN BY: APB	DATE: 08/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-077.900	D
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-7.900.dwg PLOT DATE: 10/9/2015 BY: VILLARREAL, PHIL

Urlacher, Belinda J.

From: Claire Cunningham <claire.cunningham@contractlandstaff.com>
Sent: Tuesday, March 15, 2016 12:07 PM
To: Urlacher, Belinda J.
Cc: Dale McBride; curtisallums27@hotmail.com
Subject: DAPL-CLS-ND 8 & ND 200 BACK SLOPE CONSTRUCTION
Attachments: ND DOT DICKINSON DISTRICT INFORMATION FOR BACKSLOPE CONSTRUCTION TYPICAL.pdf; ND DOT DICKINSON DISTRICT INFORMATION FOR BACKSLOPE CONSTRUCTION.pdf

Hi again Belinda
I hope that you are doing well.

I have talked with construction re how they will address the back slopes on ND 8 & ND 200 for the temporary access drives.

The plan is to cut down the back slopes a depth of 6-7' for a width of 40'. This will be tapered into the right of way and will allow a maximum grade up hill.

The soil will create a temporary road over culverts to the DOT road apron. An 8:1 slope will be maintained. There will be no damages to the existing DOT road slopes. All construction modifications to DOT right of way will be restored to its original condition.

I have highlighted on the DOT Standard Rural Approach Typical, the method that will be used to address the back slope and the temporary approach.

I have also included a Traffic Control Safety Measures description and pictures of the approach and crossing locations.

Please let me know if you need any additional information to approve those Temporary Approach Apps.

Thanks again.
Claire

Thanks
Claire Cunningham
Senior Permitting Agent
Contract Land Staff representing Dakota Access, LLC.
1100 Weiss Avenue
Bismarck, ND 58503
Cell 802-989-2489
Claire.cunningham@contractlandstaff.com

Table 6E-1. Stopping Sight Distance as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

These distances may be increased for downgrades and other conditions that affect stopping distances.

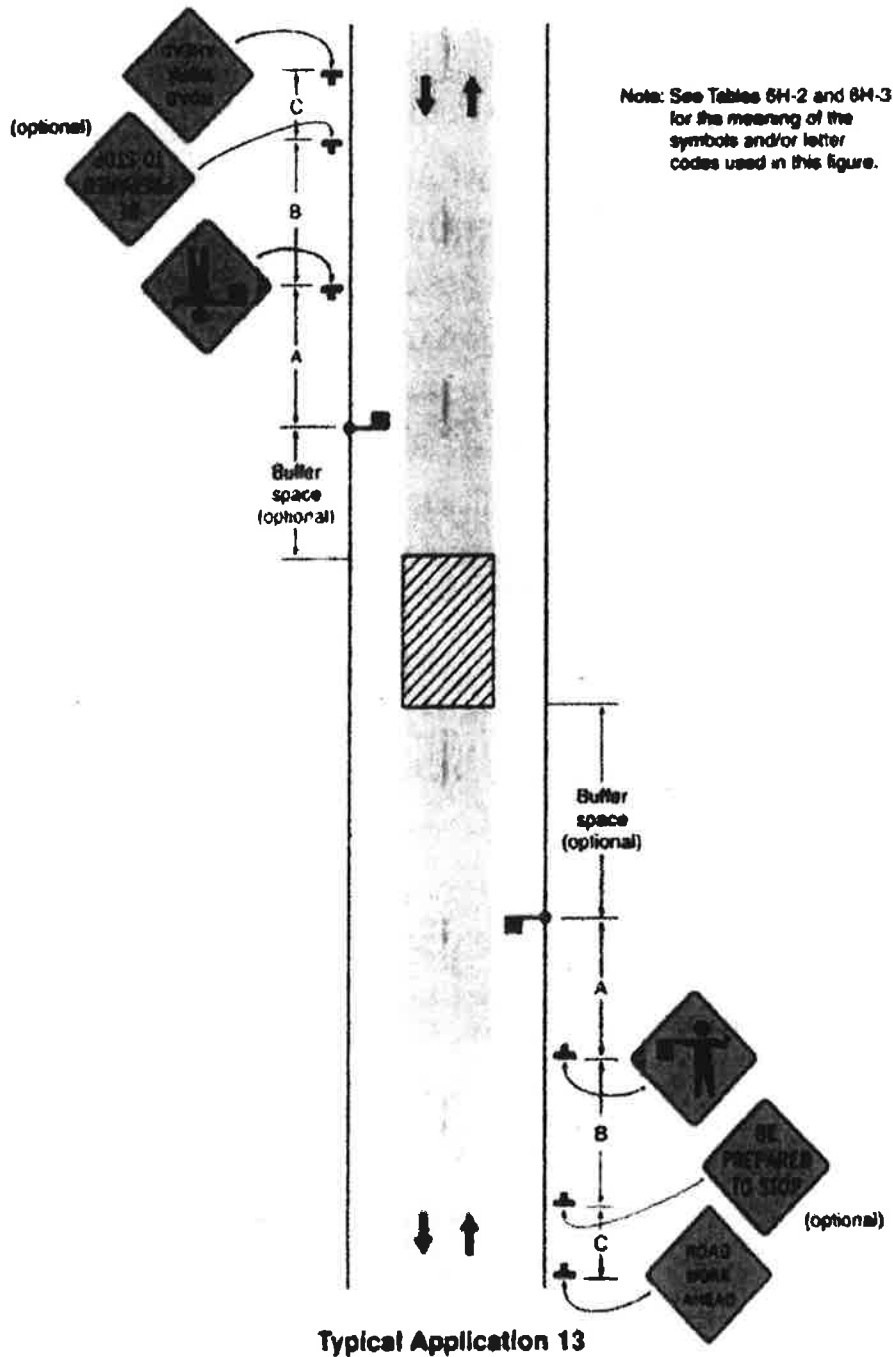
Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by the highway agency

** The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Figure 6H-13. Temporary Road Closure (TA-13)



TRAFFIC CONTROL SAFETY MEASURES

WORKING IN AREAS WITH LIMITED VISIBILITY OR LARGE TRAFFIC VOLUMES

- **Place additional flaggers equipped with two-way radios; additional flaggers placed at the crest of the hill to better warn public and allow additional protection for construction crews. By placing additional flagger in a position to see advanced warning signs, the flagger and construction crew, we are able to safely control traffic in both hills and curves. Routinely, we will use multiple flaggers even where visibility is not limited simply to make ourselves more visible and allow traffic additional time to slow and /or stop.**



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016 DATE (MM/DD/YYYY)
2/4/2016

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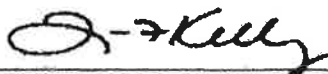
PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME: _____	
	PHONE (A/C, No, Ext): _____	FAX (A/C, No): _____
E-MAIL ADDRESS: _____		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Old Republic Insurance Company		24147
INSURER B: _____		
INSURER C: _____		
INSURER D: _____		
INSURER E: _____		
INSURER F: _____		

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COM/PROP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER 13887652 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 608 EAST BOULEVARD AVE. BISMARCK ND 58505-0700	CANCELLATION See Attachment SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	---

The ACORD name and logo are registered marks of ACORD

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09





ADDITIONAL REMARKS SCHEDULE

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC.		INSURED Brady Wind, LLC	
POLICY NUMBER			
CARRIER	NAIC CODE	ISSUE DATE: 04/06/2016	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: _____ FORM TITLE: _____

NextEra Energy Resources, LLC Schedule of Workers' Compensation Policies

New Hampshire Insurance Company:

- Policy No. WC067713064 (AOS)
- Policy No. WC067713065 (CA)
- Policy No. WC067713069 (FL)
- Policy No. WC067713070 (MA, ND, OH, WA, WI, WY)
- Policy No. WC067713066 (IL, KY, NC, NH)
- Policy No. WC067713067 (NJ, PA)
- Policy No. WC067713068 (AZ, VA)
- Policy No. WC067713071 (ME)

National Union Fire Insurance Co of Pittsburgh PA:

- Policy No. WC067713072 (OR)

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

ND:BU-375 063

ND:BU-375 017

Temp
Access

Temp
Access

T145N R092W S24

T145N R092W S19

MP 62 0

0.5 mi

3rd Ave NW

1st St NW

1st Ave NE

2nd Ave NE

2000 548

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

JOEL M. WILL LAWRENCE CANCL
Williston District Engineer
DICKINSON

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/16

ROBERT ROSE

Vice President, Land and Right of Way

Type or Print Name & Title

Signature



Energy Transfer Partners, LP
1300 Main Street
Houston, TX 77002

November 19, 2015

North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, North Dakota 58505-0700

Re: Dakota Access Pipeline Project

North Dakota Department of Transportation (NDDOT) Temporary Access Drives for Construction

Dear XXXX,

The Dakota Access Pipeline Project (Project) is being permitted through the U.S. Army Corps of Engineers (USACE) nationwide permit program for Section 404 of the Clean Water Act impacts. The nationwide permit program establishes general permits for projects with minimal adverse impacts to jurisdictional waters of the U.S.

The Project has automatic coverage for temporary wetland impacts along the right-of-way under the USACE Nationwide Permit (NWP) 12- Utility Line Activities, which includes the temporary access drives for construction. Wetlands within the Project area have been field delineated by qualified biologists and based on the 2010 Regional Supplement to the USACE Wetland Delineation Manual: Great Plains Region and the routine determination guidelines provided in the USACE Wetland Delineation Manual. Dakota Access has reviewed all of the proposed locations under jurisdiction of the NDDOT and no permanent wetland impacts are anticipated. There is the potential to temporarily impact one small herbaceous wetland with this NWP coverage but impacts associated with these efforts are automatically authorized by NWP 12, are temporary in nature, and will be restored following construction. NWP 12, and the additional regional conditions, will be adhered to throughout construction and pre-construction elevations and contours would be restored as required.

If further explanation is necessary regarding our potential impacts or mitigation, or if we can be of any assistance during your review, please do not hesitate to contact me at 713-989-7186, Monica.Howard@energytransfer.com or our consultant Dennis Woods at 713-462-7121, dwoods@perennialenv.com.

Sincerely,

Dakota Access, LLC

A handwritten signature in cursive script that reads "Monica Howard".

Monica Howard
Director Environmental Sciences



**STATE
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*Director
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Claudia J. Berg
Director

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February 19, 2016

Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

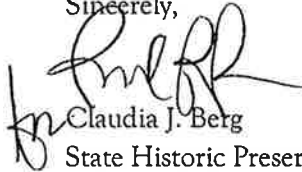
NDSHPO Ref.: 15-0106c Dakota Access Pipeline Project

"Preliminary Results of the Proposed Evaluative Testing for Eligible Sites within the Cultural Resource Survey Corridor of the Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota" Report

Dear Monica:

We have received and reviewed correspondence and document 15-0106c Dakota Access Pipeline Project: "Preliminary Results of the Proposed Evaluative Testing for Eligible Sites within the Cultural Resource Survey Corridor of the Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota," by Matthew J. Landt (Alpine Archaeological Consultants, Inc.) and Patrick D. Trader (Gray & Pape, Inc.), December 2015, that is acceptable to address site significance and eligibility. As discussed in our February 9th meeting, we also received the DAPL "Evaluation and Mitigation Plan" for those eligible and significant sites that will be impacted by the project. Thank you and we look forward to the review and receipt of outstanding final project documentation, and to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,



Claudia J. Berg
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
enc. as stated

c: Dennis Woods, Perennial Environmental Services

c: Abby Payton, Perennial Environmental Services

c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (pdf copy)

c: Patrick Trader, Gray & Pape, Inc. (pdf copy)



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February 19, 2016

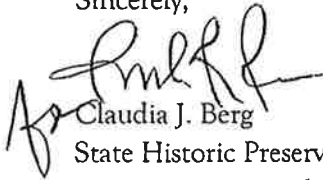
Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106f Dakota Access Pipeline Project
"Evaluation and Mitigation Plan for Cultural Resources along the Planned Dakota Access Pipeline in Mountrail, Williams, McKenzie, Dunn, Mercer, Morton, and Emmons Counties, North Dakota"

Dear Monica:

We have received and reviewed correspondence and document 15-0106f Dakota Access Pipeline Project: "Evaluation and Mitigation Plan for Cultural Resources along the Planned Dakota Access Pipeline in Mountrail, Williams, McKenzie, Dunn, Mercer, Morton, and Emmons Counties, North Dakota," by Matthew J. Landt (Alpine Archaeological Consultants, Inc.) and Beth McCord (Gray & Pape, Inc.), February 2016, and find it acceptable. As discussed in our February 9, 2016 meeting, we look forward to reviewing the DAPL reports of investigations. Thank you and we look forward to the review and receipt of outstanding final project documentation, and to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,



Claudia J. Berg
State Historic Preservation Officer (North Dakota)
and

Director, State Historical Society of North Dakota
enc. as stated

- c: Dennis Woods and Abby Payton, Perennial Environmental Services
- c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (pdf copy)
- c: Beth McCord, Gray & Pape, Inc. (pdf copy)



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February 19, 2016

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Director

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Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106g [also 14-1208] PSC Dakota Access Pipeline Project (DAPL)
Class III Reports for Cultural Resource Survey Corridor of the Proposed Dakota Access Pipeline
in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota

Dear Monica:

We have received and reviewed correspondence and documents for 15-0106g [also 14-1208] Dakota Access Pipeline Project: (1) 2014 Dakota Access Class II/III Cultural Resources Inventory, Allison Lange Mueller, Craig Picka, Matthew Terry, Dean Sather (Merjent), May 2015; (2) 2015 Dakota Access Class II/III Cultural Resources Inventory, Volume I, Allison Lange Mueller, Dean T. Sather, Craig Picka (Merjent) and Matthew J. Landt (Gray & Pape), September 2015; and, (3) 2015 Dakota Access Class II/III Cultural Resources Inventory, Volume III, Matthew J. Landt, Sara A. Millward, Michael J. Prouty, Abbie L. Harrison, Kristin Safi (Alpine Archaeological Consultants, Inc) and Patrick D. Trader, Beth McCord (Gray & Pape, Inc.), January 2016, and find them acceptable. We concur with a "No Significant Sites Affected" determination for and applicable to inventoried private and state (non-federal jurisdictional) tracts except for the site locations identified and treated in the "Evaluation and Mitigation Plan for Cultural Resources" that we find acceptable. Thank you and we look forward to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,

Claudia J. Berg
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
c: Dennis Woods and Abby Payton, Perennial Environmental Services (email pdf copy)
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (email pdf copy)
c: Patrick Trader and Beth McCord, Gray & Pape, Inc. (email pdf copy)



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February 19, 2016

Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106h [also 14-1208] PSC Dakota Access Pipeline Project (DAPL)
"Unanticipated Discoveries Plan Cultural Resources, Human Remains, Paleontological
Resources and Contaminated Media" for Corridor and Tracts of the Proposed Dakota Access
Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota

Dear Monica:

We have received and reviewed correspondence and document for 15-0106h [also 14-1208]
Dakota Access Pipeline Project: "Unanticipated Discoveries Plan Cultural Resources, Human
Remains, Paleontological Resources and Contaminated Media" for Corridor and Tracts of the
Proposed Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams
Counties, North Dakota and find it acceptable.

Thank you and we look forward to further and ongoing consultation on the project. Please
include the ND SHPO reference number listed above in any further correspondence for this
specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or
ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,

Claudia J. Berg
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
c: Dennis Woods and Abby Payton, Perennial Environmental Services (email pdf copy)
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (email pdf copy)
c: Patrick Trader and Beth McCord, Gray & Pape, Inc. (email pdf copy)

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

83 Ave SW (S-19/20)(T-145)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-078.910
83 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

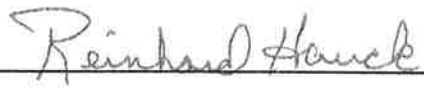
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

% CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503

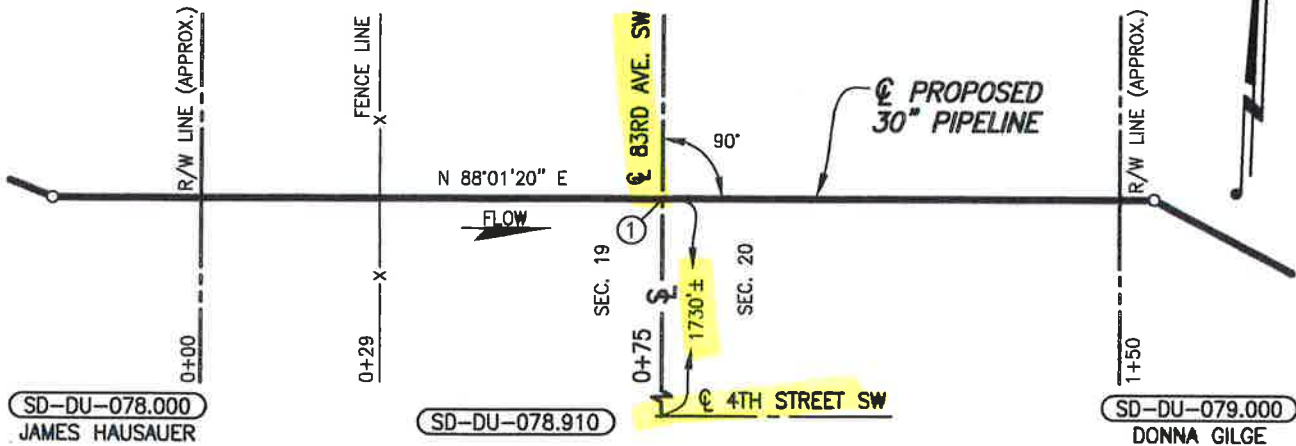
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-078.910
83 Ave SW

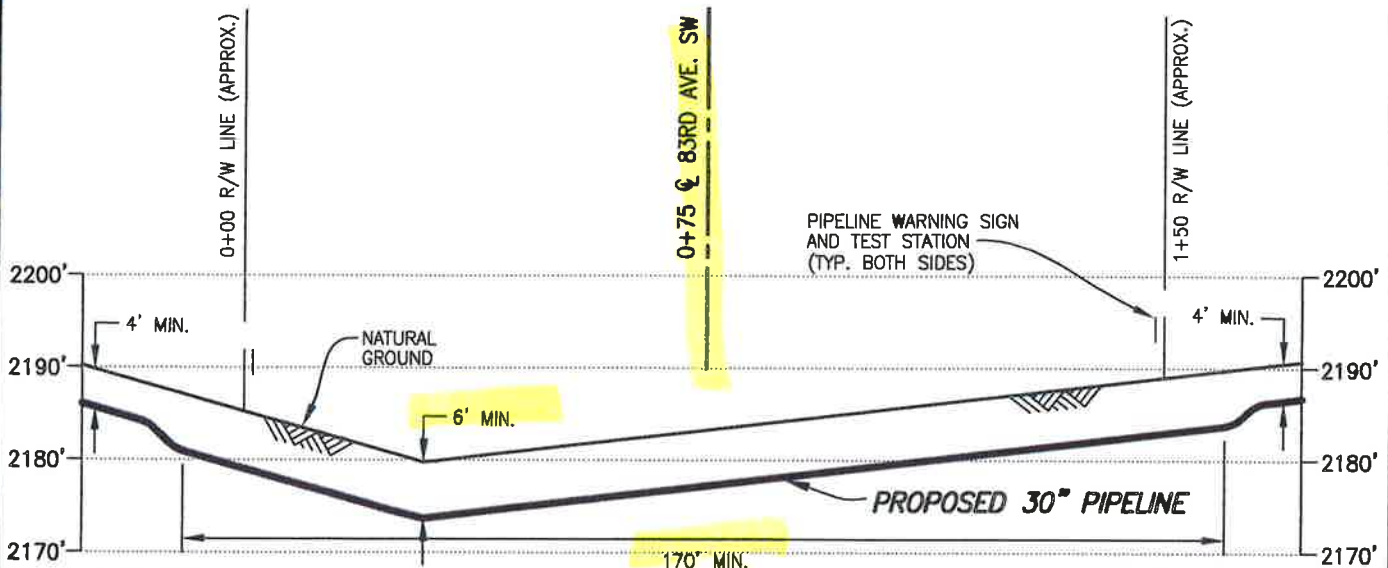
DUNN COUNTY, NORTH DAKOTA

SECTIONS 19 & 20, TOWNSHIP 145 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2306352.70
Y=17220697.60

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 83RD AVENUE SW AT STA. 0+75, ELEV. 2183.53'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MAOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING

83RD AVENUE SW

DUNN COUNTY NORTH DAKOTA

DRAWN BY: PM	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-078.910	A
SCALE: AS SHOWN	APP.:		

8.910.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

is:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-

FILE: R:\

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

4 St. SW (S-20/29) (T-145) (R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-079.940
4 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

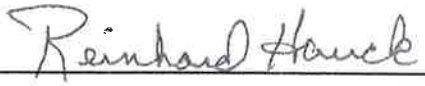
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGS 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

Last revised 10/04/13

ND-DU-079.940

4 ST. SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
4 ST SW	NORTH	20	145	91	W102°17.942	N47°21.427
4 ST SW	SOUTH	29	145	91	W102°17.941	N47°21.420'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

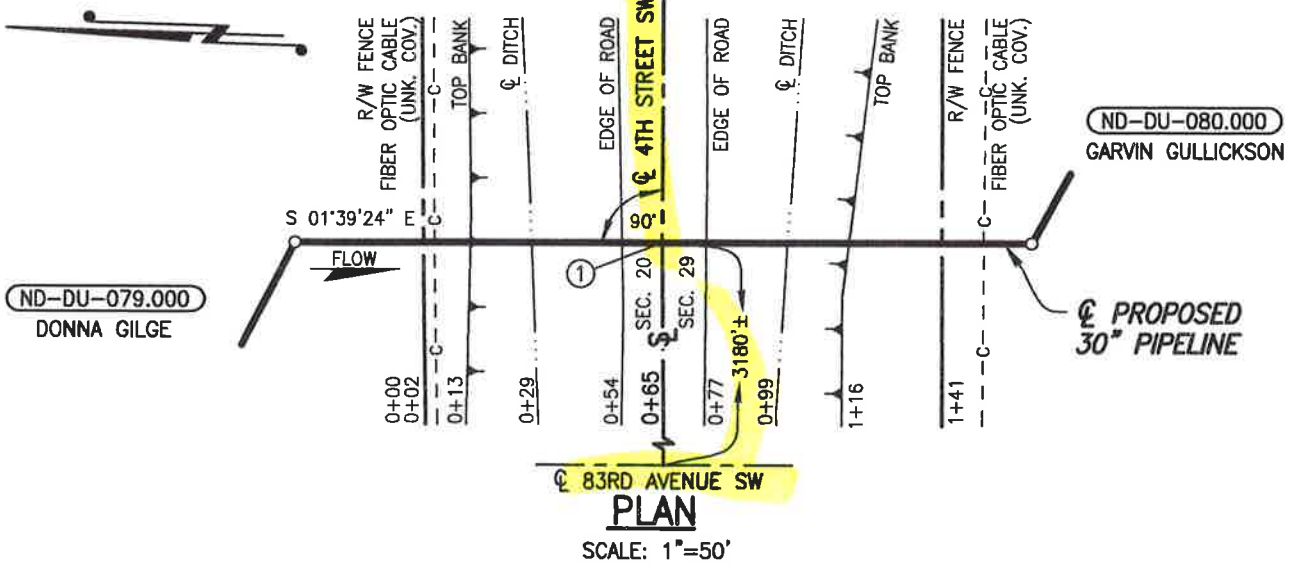
3-2-16
 Dated

ND-DU-079.940
 4 ST. SW

DUNN COUNTY, NORTH DAKOTA

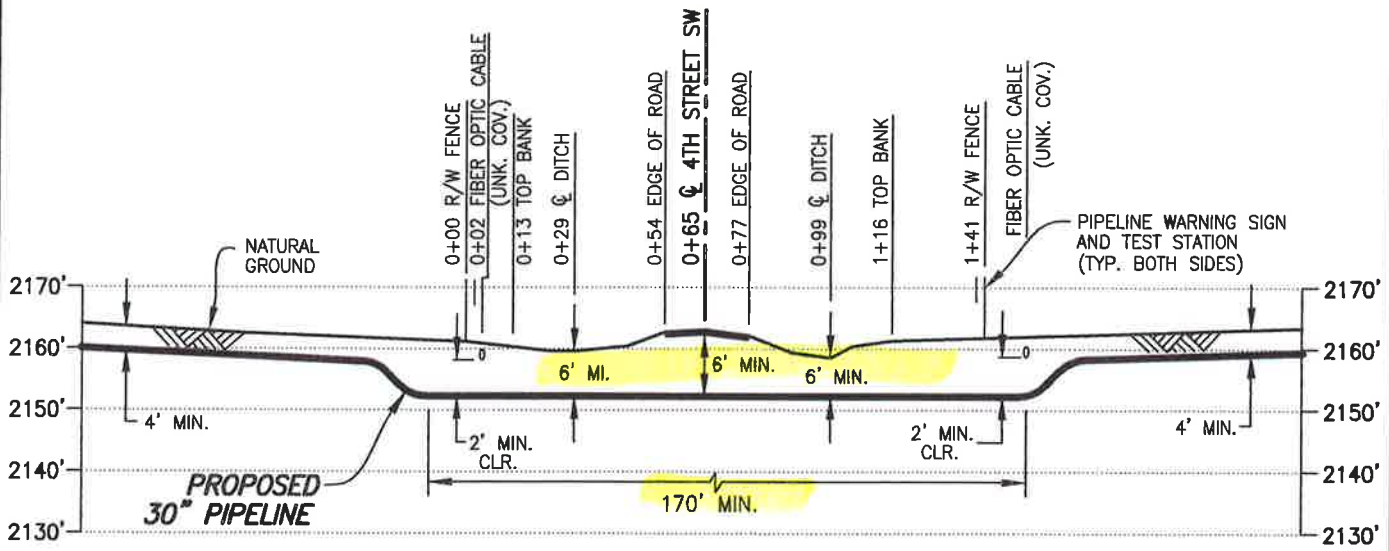
SECTIONS 20 & 29, TOWNSHIP 145 NORTH, RANGE 91 WEST

ND-DU-079.940



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=30' VERT.

① X=2309597.52
Y=17219077.28

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: 4TH STREET SW AT STA. 0+65, ELEV. 2163.06'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
E	12/29/15	JWH	ISSUED FOR USE/PERMIT	RC
D	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	CHA	LINE CHANGE, ISSUED FOR REVIEW	RC



PROPOSED 30" DAPL PIPELINE CROSSING 4TH STREET SW

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 10/24/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-079.940	E
SCALE: AS SHOWN	APP.:		

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-.0.dwg PLOT DATE: 12/29/2015 BY: HARBOLT, JASON

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

82 AVE SW (S-29/28) (T-45) (R91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-080.910
82 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

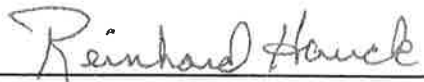
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

Last revised 10/04/13

58503

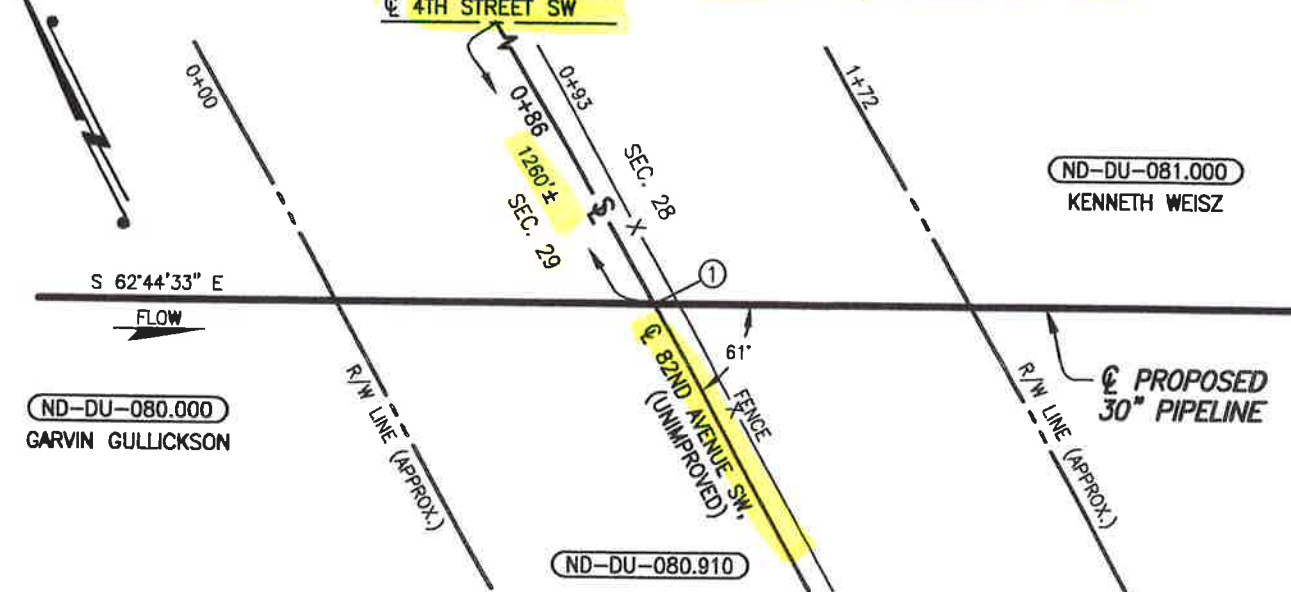
ND-DU-080.910

82 AVE SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 28 & 29, TOWNSHIP 145 NORTH, RANGE 91 WEST

☉ 4TH STREET SW



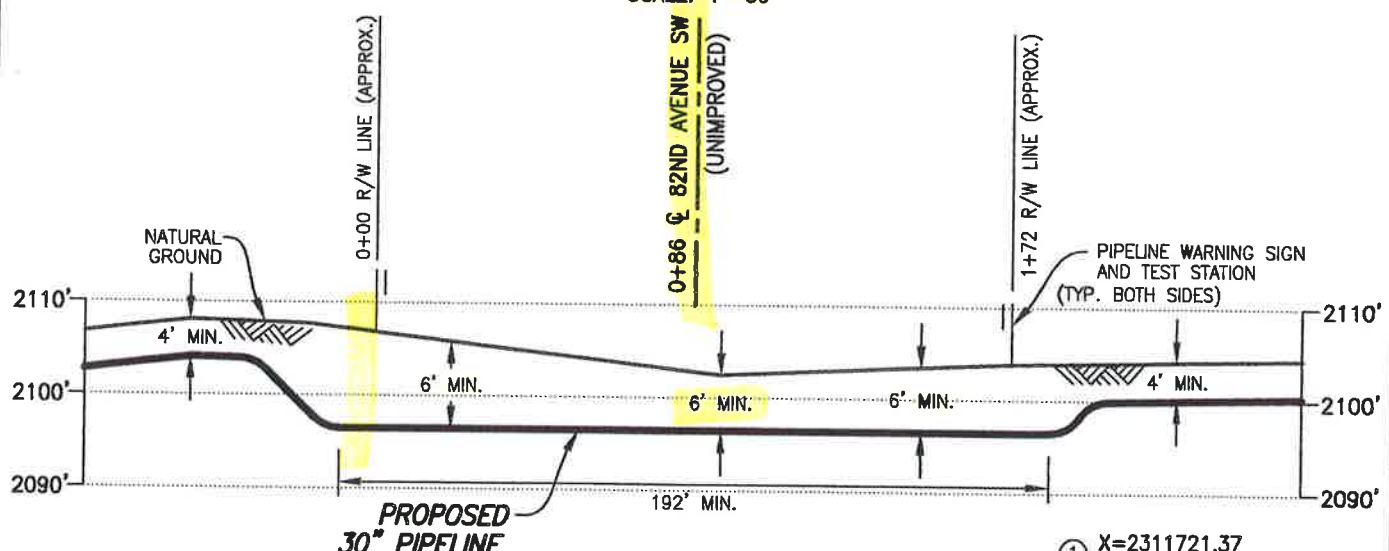
ND-DU-081.000
KENNETH WEISZ

ND-DU-080.000
GARVIN GULLICKSON

ND-DU-080.910

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=20' VERT.

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☉ 82ND AVENUE SW (UNIMPROVED) AT STA. 0+86, ELEV. 2102.77'

ND-DU-080.910 SUPERSEDES ND-DU-081.910



REV.	DATE	BY	DESCRIPTION	CHK.
A	10/23/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-080.910	A
SCALE: AS SHOWN	APP.: RC		

FILE: projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PE XU-080.910.dwg PLOT DATE: 10/26/2015 BY: MADAMBA, JOEY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

81 AVE SW (S-28/27)(T-145)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-081.900
81 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489

Last revised 10/04/13

AJD-DU-081.900
81 AVE SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

2
 Permanent
 Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
81 AVE SW	West	28	145	91	W102° 16.246	N47° 20.741
81 AVE SW	East	27	145	91	W102° 16.244'	N47° 20.744'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, HOUSTON, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)

3-2-16
 Dated

802-989-2489

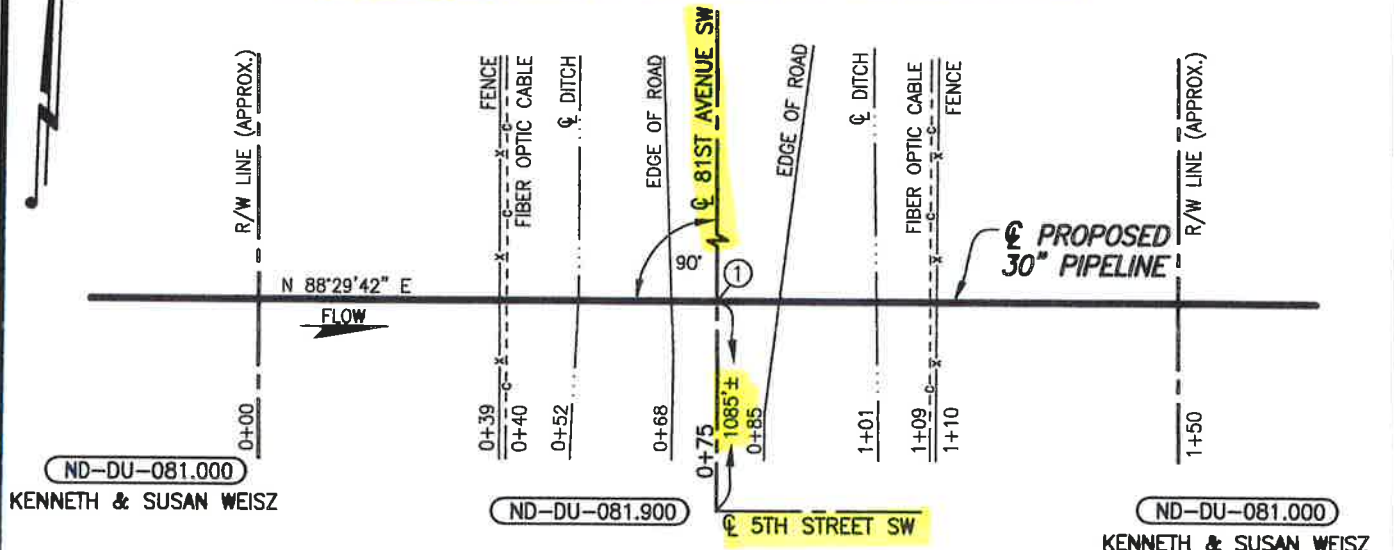
ND-DU-081-900

81 AVE SW

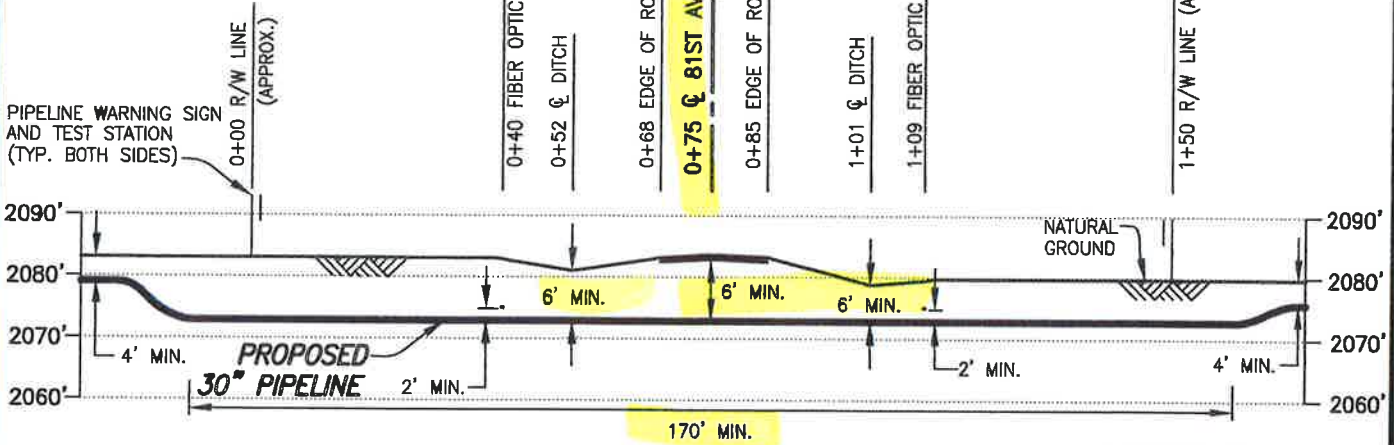
Note: For Permanent approach across road to use approach 100' South of Temporary approach Permit. Don't want a Permanent this close together. Talked w/ Claire

DUNN COUNTY, NORTH DAKOTA

SECTION 28, TOWNSHIP 145 NORTH, RANGE 91 WEST



PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30' HORIZ.
1"=30' VERT.

① X=2316738.28
Y=17215151.88

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 81ST AVENUE SW
 AT STA. 0+75, ELEV. 2083.64'

REV.	DATE	BY	DESCRIPTION	CHK.
D	08/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	PM	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	
A	11/04/14	JMH	ISSUED FOR REVIEW	



PROPOSED 30" DAPL PIPELINE CROSSING 81ST AVENUE SW

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: MR	DATE: 09/16/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-081.900	D
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-1.900.dwg PLOT DATE: 9/8/2015 BY: VILLARREAL, PHIL

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

5 St. SW (S-27/34) (T-145) (R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-Du-083.900
5 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

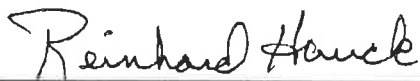
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

% CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-083.900
5 st. SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
5 ST. SW	NORTH	27	145	91		
5 ST. SW	SOUTH	34	145	91		

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main STREET, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)

3-2-16
 Dated

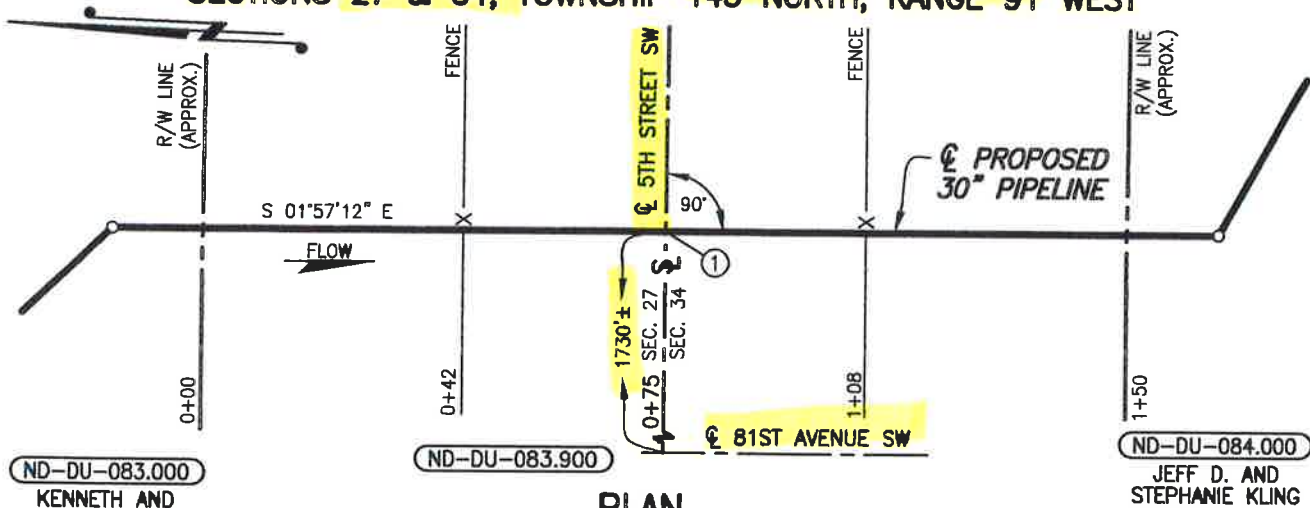
802-989-2489

ND-DU-083.900
 5 St. SW

Note: old section line rd hasn't been used much over the years. Land owner gated off

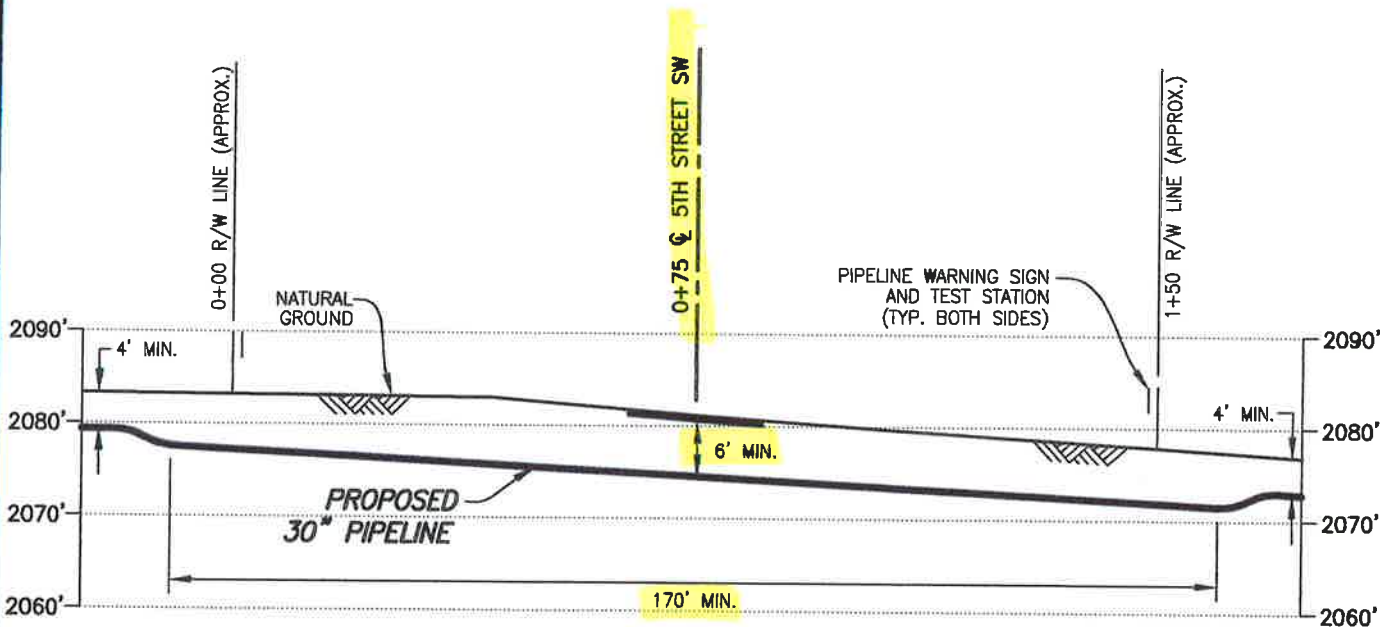
DUNN COUNTY, NORTH DAKOTA

SECTIONS 27 & 34, TOWNSHIP 145 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2318461.45
Y=17214114.27

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 5TH STREET SW AT STA. 0+75, ELEV. 2081.14'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
5TH STREET SW**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/06/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-083.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-33.900.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

COPY

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
5 St. SW	NORTH	27	145	91		
5 St. SW	SOUTH	34	145	91		

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	no	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant

Del Olson
 Vice President, Land and Right of Way County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-2-16
 Dated

note: old section line Rb hasn't been used much over the years land owner gated off:

ND-DU-083.900
 5 St. SW

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

80 ave SW (S-34/35)(T-145)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-085.900
80 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

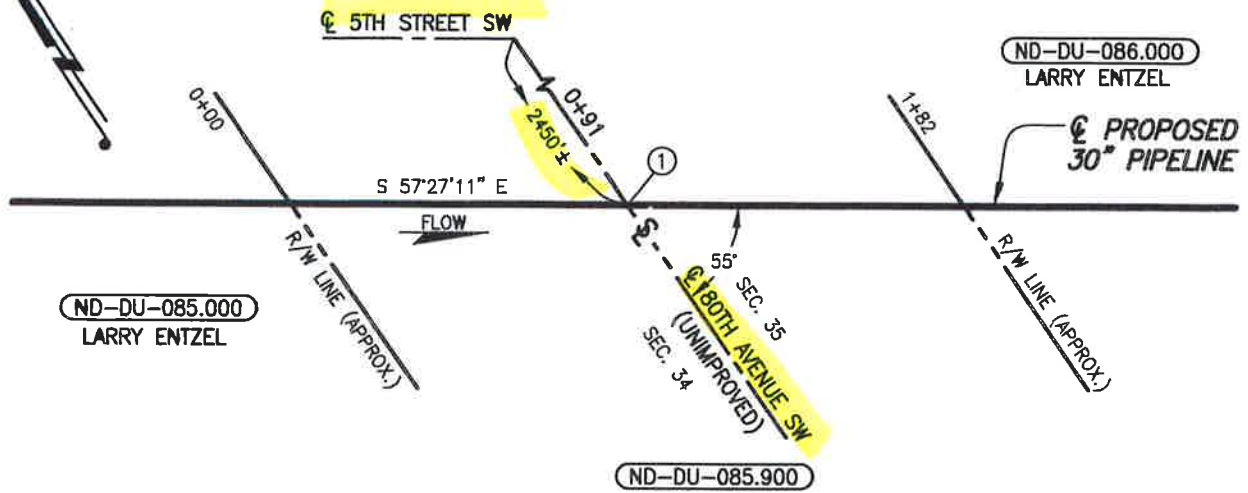
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-085.900
80 ave SW

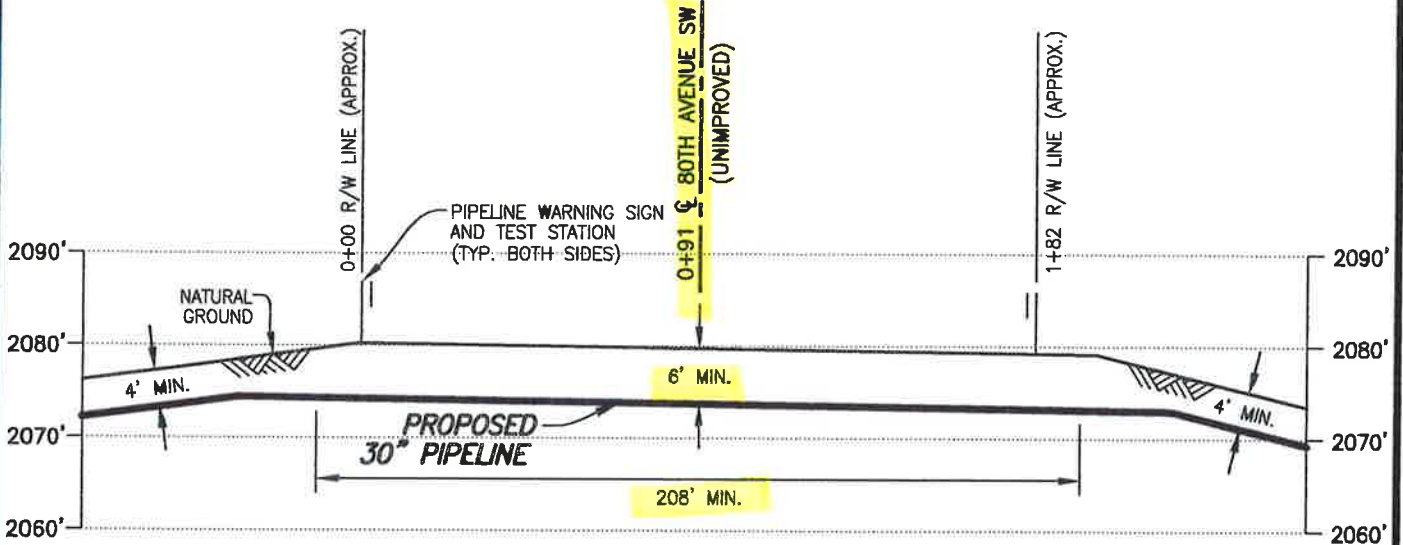
DUNN COUNTY, NORTH DAKOTA

SECTIONS 34 & 35, TOWNSHIP 145 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2322486.80
Y=17211767.68

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 80TH AVENUE SW AT STA. 0+91, ELEV. 2079.69'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
80TH AVENUE SW**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-085.900	A
SCALE: AS SHOWN	APP.:		

5.900.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

s:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-

FILE: R.V.

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

6 St. SW (S-35/5)(T-145/144)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-087.900
6 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

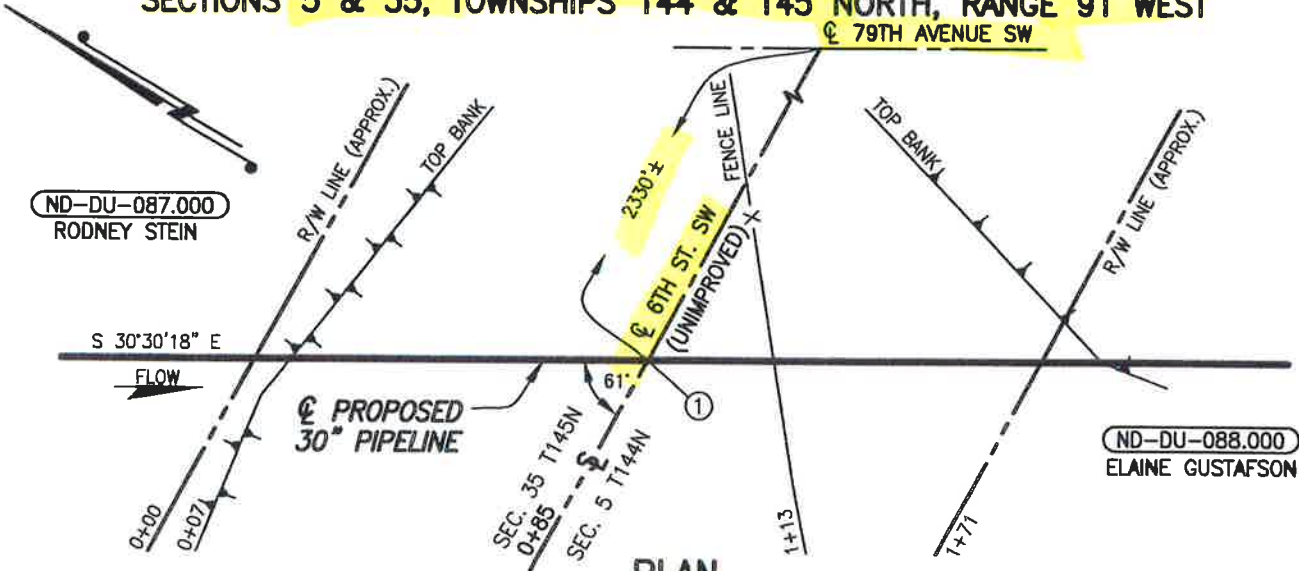
90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-087.900
6 St. SW

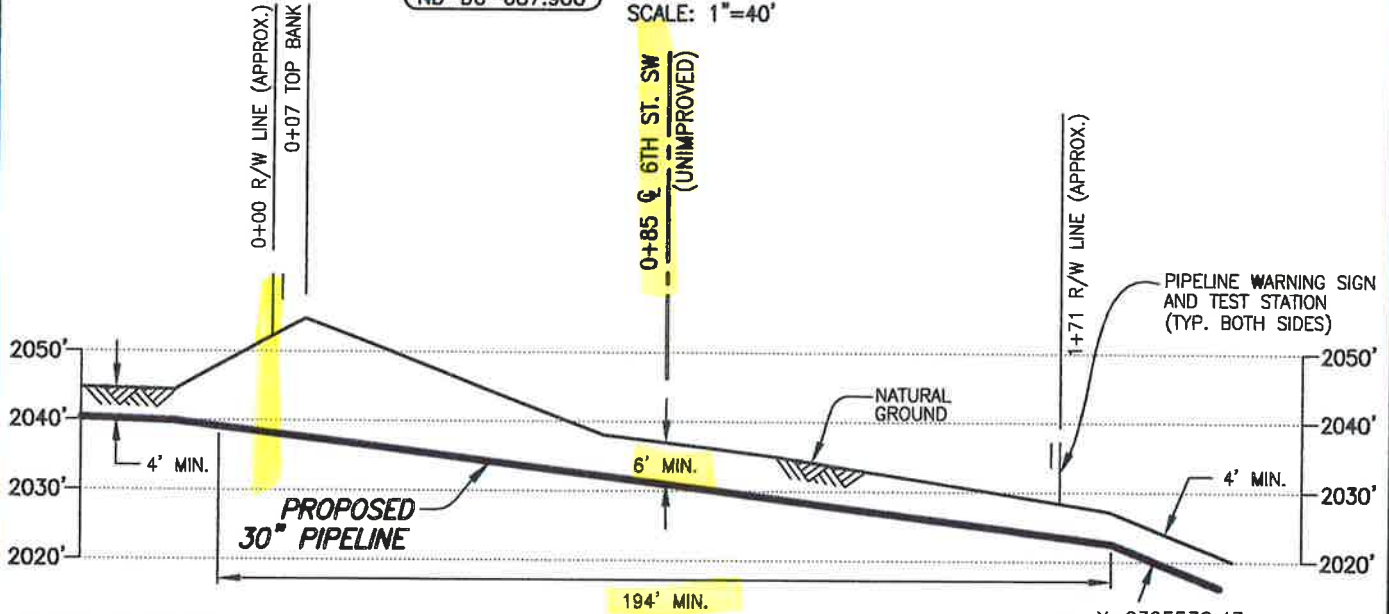
DUNN COUNTY, NORTH DAKOTA

SECTIONS 5 & 35, TOWNSHIPS 144 & 145 NORTH, RANGE 91 WEST
 § 79TH AVENUE SW



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
 1"=30' VERT.

① X=2325538.43
 Y=17209052.94

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: T.O.B 6TH STREET SW
 AT STA. 0+07, ELEV. 2054.75'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 6TH STREET SW**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-087.900	A
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-7.900.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

79 ave SW (S-514) (T-144) (R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-089.900
79 ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

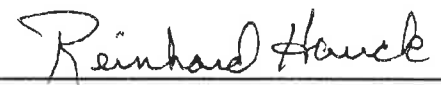
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND
 Address that approved permit should be mailed to 58503
 Cell: 802.989.2489
 Last revised 10/04/13 ND-DU-089.900
79 Ave SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
79 Ave SW	West	5	144	91	W102°13.748	N47°19.454'
79 Ave SW	East	4	144	91	W102°13.741	N47°19.457'

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	yes Both Sides	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant Vice President, Land and Right of Way


 County Road Supt. Approved

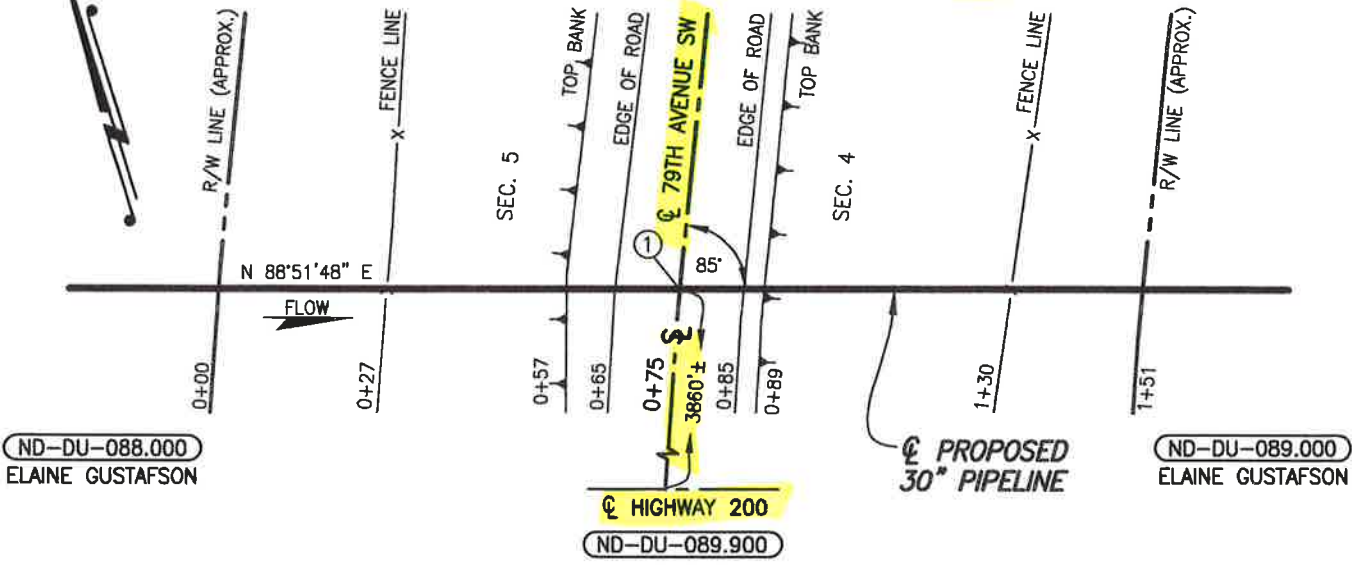
Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-1-16
 Dated

ND-DU-089.900
 79 Ave SW

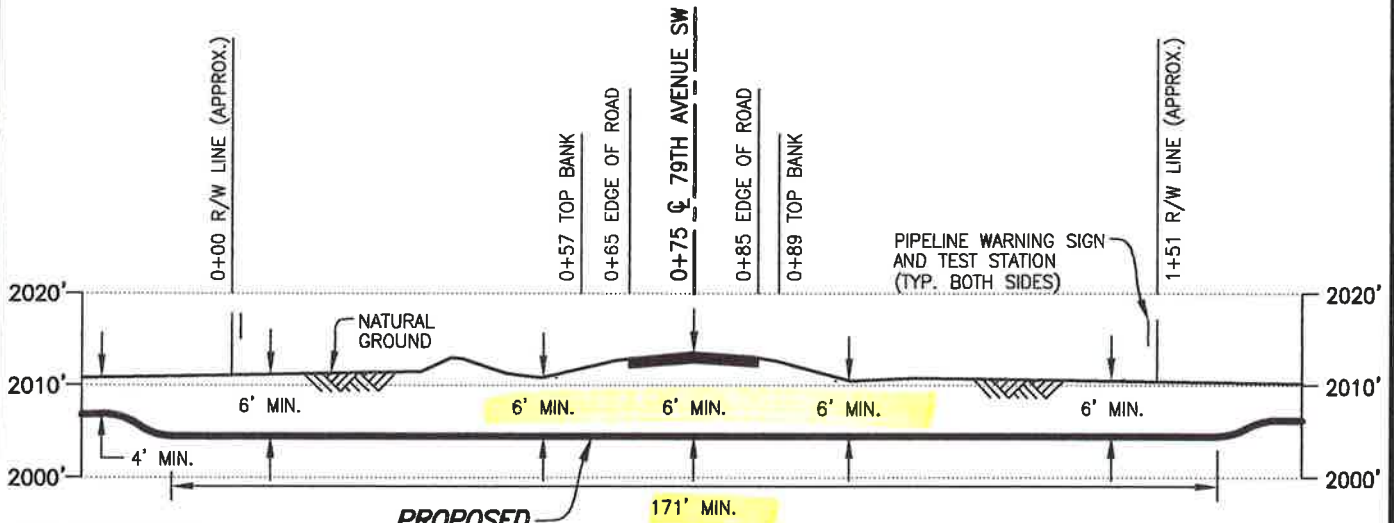
DUNN COUNTY, NORTH DAKOTA

SECTIONS 4 & 5, TOWNSHIP 144 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=2327346.99
Y=17207714.39

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 79TH AVENUE SW AT STA. 0+75, ELEV. 2013.51'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

171' MIN.

E	12/29/15	JTM	ISSUED FOR USE/PERMIT	RC
D	09/04/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	RC
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 79TH AVENUE SW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 09/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-089.900	E
SCALE: AS SHOWN	APP.: RC		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

7 ST. SW (S-4/9)(T-144)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-090.900
7 ST. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

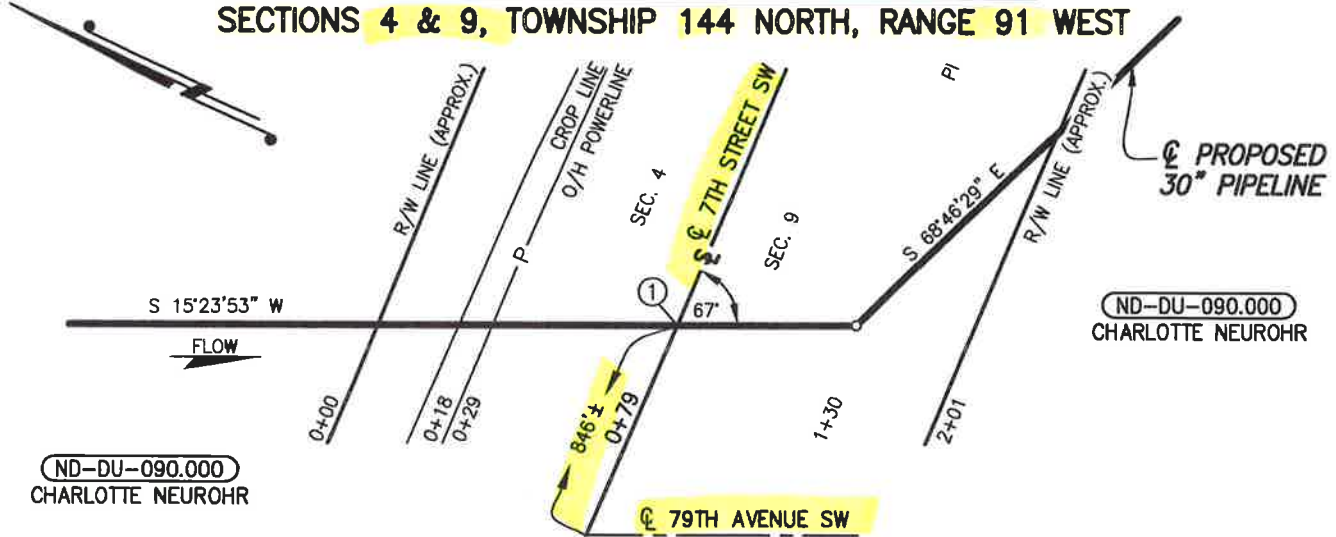
58503

Last revised 10/04/13

ND-DU-090-900
7 ST. SW

DUNN COUNTY, NORTH DAKOTA

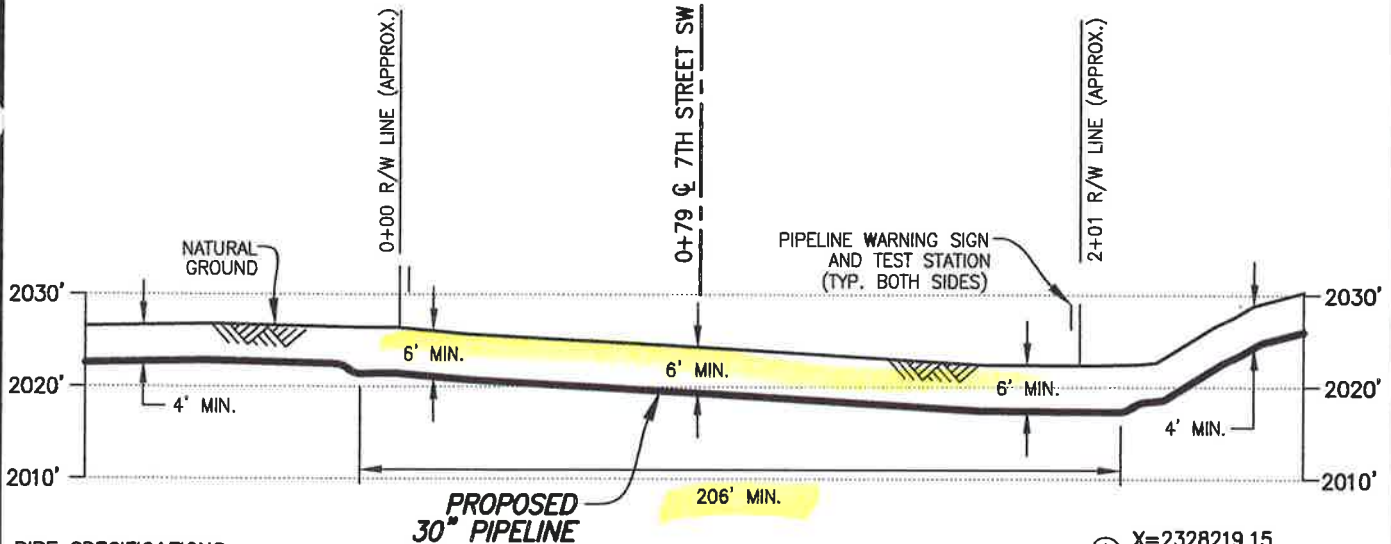
SECTIONS 4 & 9, TOWNSHIP 144 NORTH, RANGE 91 WEST



ND-DU-090.900

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=2328219.15
 Y=17203948.95

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 7TH STREET SW
 AT STA. 0+79, ELEV. 2022.79'

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	OP	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 7TH STREET SW

PROJECT NO. 10395700

DUNN COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PM	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-090.900	B
SCALE: AS SHOWN	APP.: RC		

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

CM# 65160392

Document Number 1602A	(FOR STATE USE ONLY)	Permit Number 5260A
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APPLICANT INFORMATION

Prepared Company Name CONTRACT LADD STAFF		Prepared by CLAIRE CUNNINGHAM	
Owner of Facility DAKOTA ACCESS, LLC	City Houston	State TX	Zip Code 77002
Mailing Address 1300 MAIN STREET		Telephone Number	
Owner's Agent Claire Cunningham	City Bismarck	State ND	Zip Code 58503
Owner's Contractor 1100 Weiss Ave	City	State	Telephone Number 702-989-2489

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility CRUDE OIL PIPELINE - CATHODICALLY PROTECTED		
Size of Facility 30" steel	Number of Cables	Length of Down Guys
Pipeline Pressure MOP 1440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 2017

Company Name DAKOTA ACCESS, LLC	Owner's Name (Please Print) ROBERT ROSE
DATE 1/29/16	OWNER'S SIGNATURE <i>[Signature]</i>

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 18th day of March, 2016.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

[Signature]
DISTRICT ENGINEER (TYPE OR PRINT)
[Signature]
SIGNATURE

ND-DU-091-900
ND 200

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 122.3561 End Ref. Point 122.3561

Highway No. <u>ND 200</u>	<input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across	Lanes of traffic <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Begin <u>1880</u> feet from reference marker	<u>122</u>
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	End <u>3400</u> feet from reference marker	<u>123</u>
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
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Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

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Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

ND-DU-091.900
ND 200

**Suggested Utility Conditions for Oil/Gas Along and/or Across
Primary and Secondary Highways**

April 1, 2003

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

1. **INSTALLATION AND MAINTENANCE:** Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:
2. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
3. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities.
4. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
5. [REDACTED]
6. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
7. For highway crossings, the buried telephone wire or cable shall be installed under the surfaced sections by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
8. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. Open trenches and pits shall be barricaded if left unattended.
9. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.
12. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
15. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.

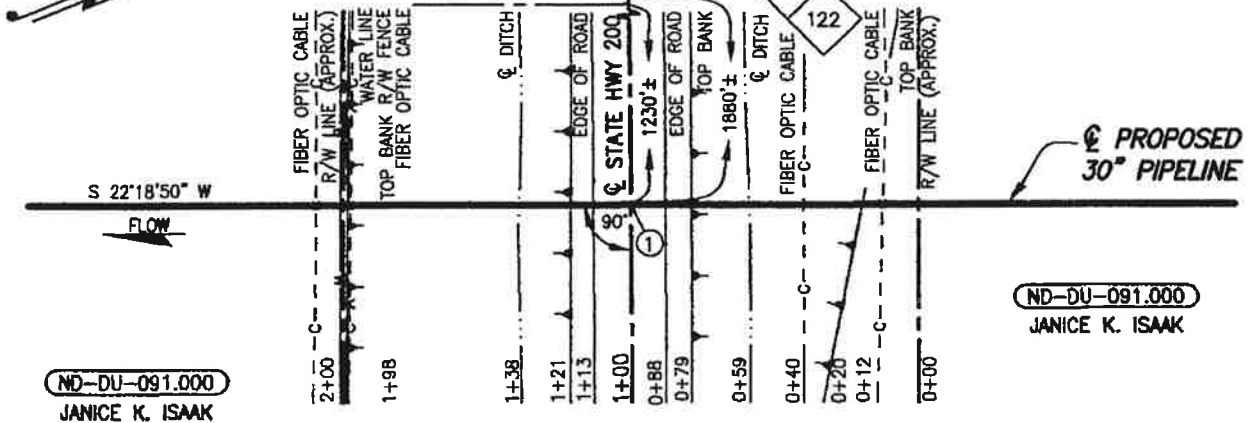
- 20. Casing pipe, where installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.
- 24. The diameter of the hole for bored or jacked installations shall not exceed by more than one (1) inch the outside diameter of the facility. Oversized bores, overbreaks, and unused holes shall be backfilled with grout.
- 25. The location of the pipeline crossing shall be indicated by a marker post installed on each side of the highway at the right of way line. An identification sign shall be attached to one of the marker posts showing the name, address, and telephone number of the Recipient.
- 26. The Department of Transportation shall be notified in advance of any proposed change in the type of transmittant carried by the pipeline, or any increase in the maximum working pressure specified in the application for the permit.
- 28. Marker posts shall be installed at the highway right of way line at intervals not to exceed 1,000 feet. An identification sign shall be attached to one of the marker posts and shall show the name, address, telephone number, and location of the pipeline.
- 48. The casing pipe shall be continuous and shall extend a minimum of two (2) feet beyond the clear zone or two (2) feet beyond the toes of outer inslopes of the highway, whichever is further from the highway center line. The casing pipe shall be adequately sealed at both ends with suitable material that will prevent the formation of a waterway.
- 55. Casing is not required if approved extra wall thickness pipe is installed.

The Recipient shall indemnify, defend, hold harmless, the State of Michigan, its agencies, and employees from and against all claims, damages, losses, and expenses, including all costs, expenses, and attorney's fees, which may in any manner arise out of or result from this project.

DUNN COUNTY, NORTH DAKOTA

SECTION 9, TOWNSHIP 144 NORTH, RANGE 91 WEST

79TH AVENUE SW



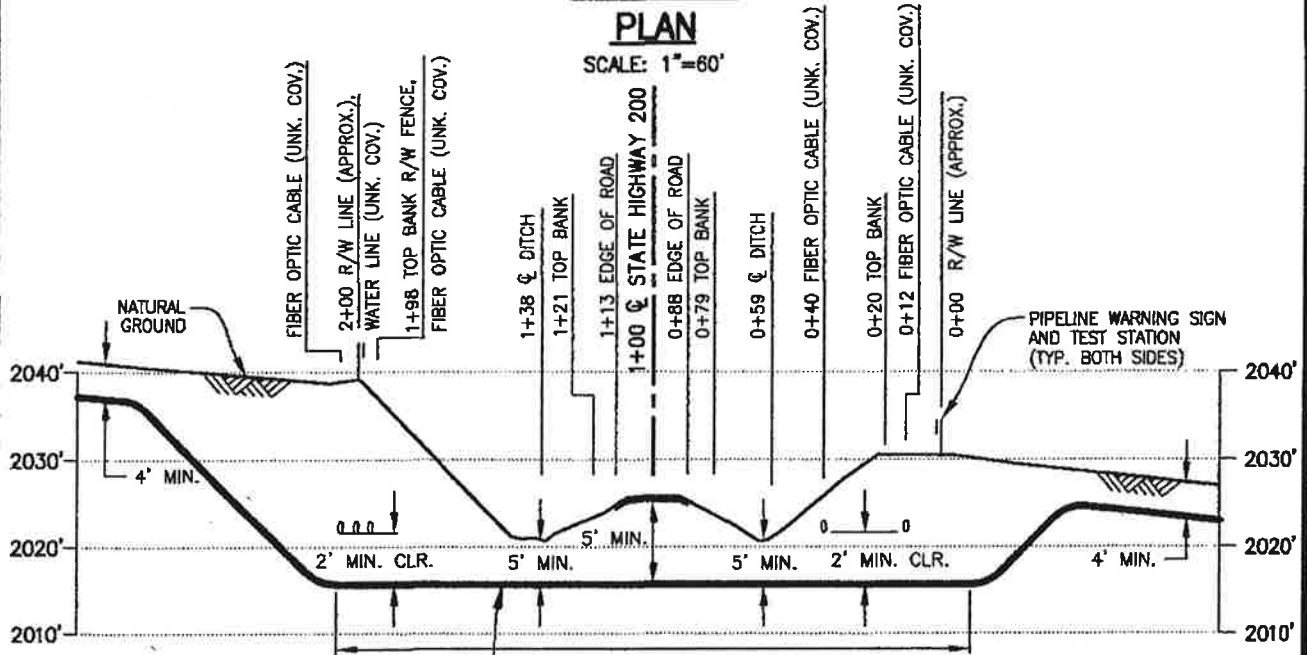
ND-DU-091.000
JANICE K. ISAAK

ND-DU-091.000
JANICE K. ISAAK

ND-DU-091.900

PLAN

SCALE: 1"=60'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE
 SCALE: 1"=60' HORIZ.
 1"=20' VERT.

① X=2328565.69
 Y=17203499.79
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 79TH AVENUE SW
 AT STA. 1+00, ELEV. 2025.78'

N COUNTY\103957-P8-ND-DU-091.900.dwg PLOT DATE: 10/30/2015 BY: MUALLEM, MKE
 Projecta\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOT
 jeng.com\gbl\HOU\Pipeline\

REV.	DATE	BY	DESCRIPTION	CHK.
F	10/30/15	MM	ISSUED FOR USE/PERMIT	RC
E	10/13/15	OP	ISSUED FOR USE/PERMIT	RC
D	10/02/15	PRV	ISSUED FOR USE/PERMIT	RC
C	03/02/15	OP	ISSUED FOR USE/PERMIT	RG

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



**PROPOSED 30" DAPL PIPELINE CROSSING
 STATE HIGHWAY 200**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 09/18/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-091.900	F
SCALE: AS SHOWN	APP.: RC		

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence**.
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09





CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Old Republic Insurance Company	24147
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

INSURED
1389319 DAKOTA ACCESS, LLC
1300 MAIN STREET
HOUSTON, TX 77002

COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADD. INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Per occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E L EACH ACCIDENT \$ 10,000,000 E L DISEASE - EA EMPLOYEE \$ 10,000,000 E L DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
All policies (except Workers' Compensation/EI) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER**CANCELLATION** See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
608 EAST BOULEVARD AVE.
BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

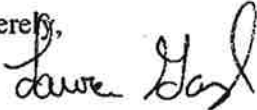
Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



~~Joel M. Witt~~ LAWRENCE GANCEL
Williston District Engineer
Dickinson

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

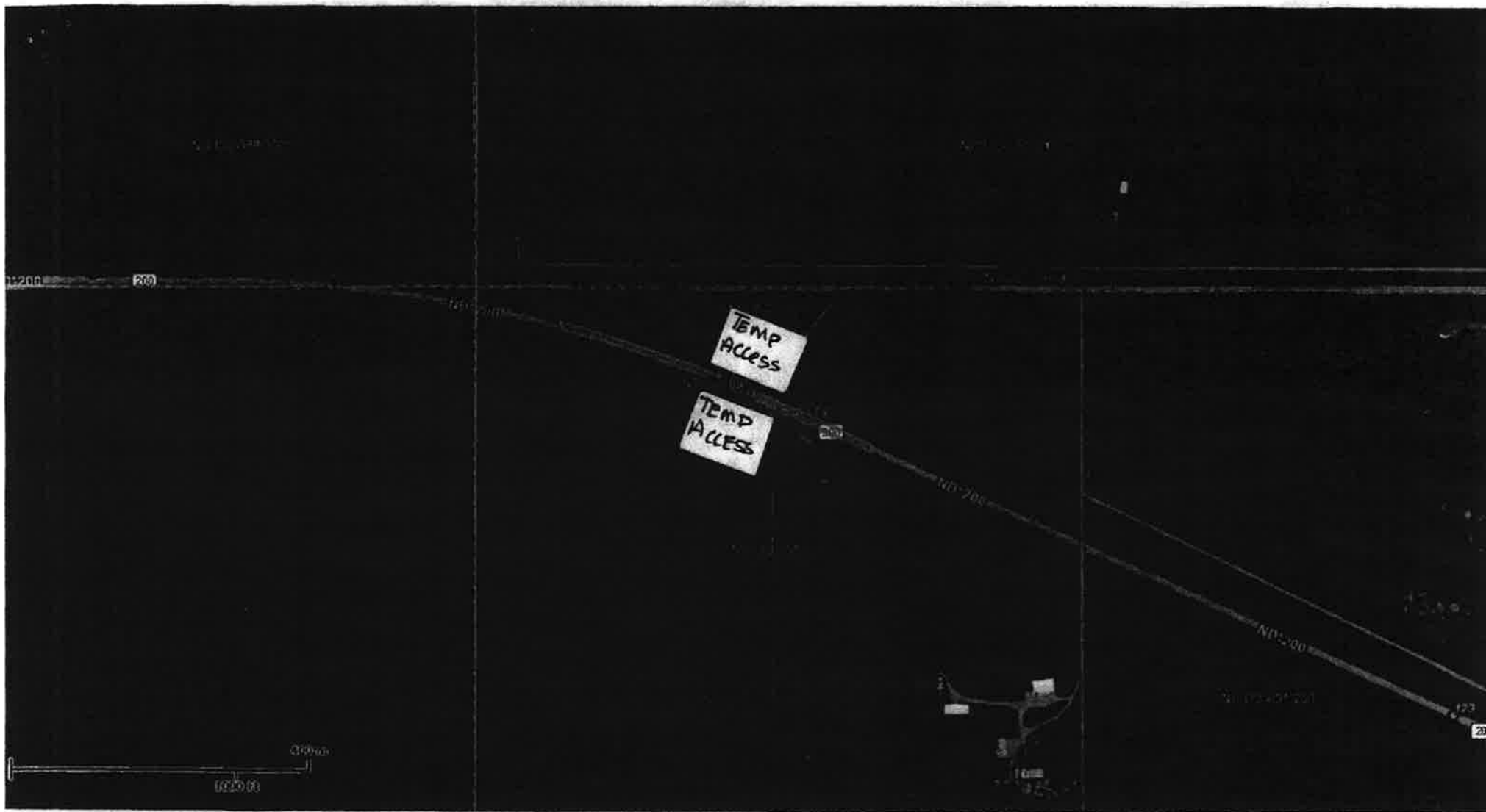
Date 2/8/10

ROBERT ROSE

Vice President, Land and Right of Way

Type or Print Name & Title


Signature



ND-DU-091.900 ND 200

CLS LINK GIS Viewer

CLS

Contract

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
 SFN 5918 (Rev. 06-2015)

CM# 65160393

Permit Number **1604**

District Number **05**

TEMPORARILY ONLY

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET	City HOUSTON	State TX	ZIP Code 77002

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp	<input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of Route 200
Location Approx 1880' EAST		
Town	Highway ND 200	Mile Marker Number 127.3561

Description of proposed work on state right of way and type of business served.

Temporary drives on both sides of ND 200 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

ROBERT ROSE
 Name (Type or Print)

[Signature]
 Signature

Vice President, Land and Right of Way
 Title

1/29/16
 Date

Permit granted:
3/18/16
 Date

NORTH DAKOTA
 DEPARTMENT OF TRANSPORTATION

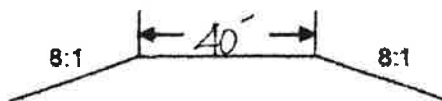
Lawrence George
 District Engineer (Type or Print)

[Signature]
 Signature

3/18/16
 Date

Construction shall be completed by:
10/1/16
 Date

Sketch:



(Original to District File, copy to Applicant)

Page 1 of 2 (Over)

ND-DU-091-900
ND 200

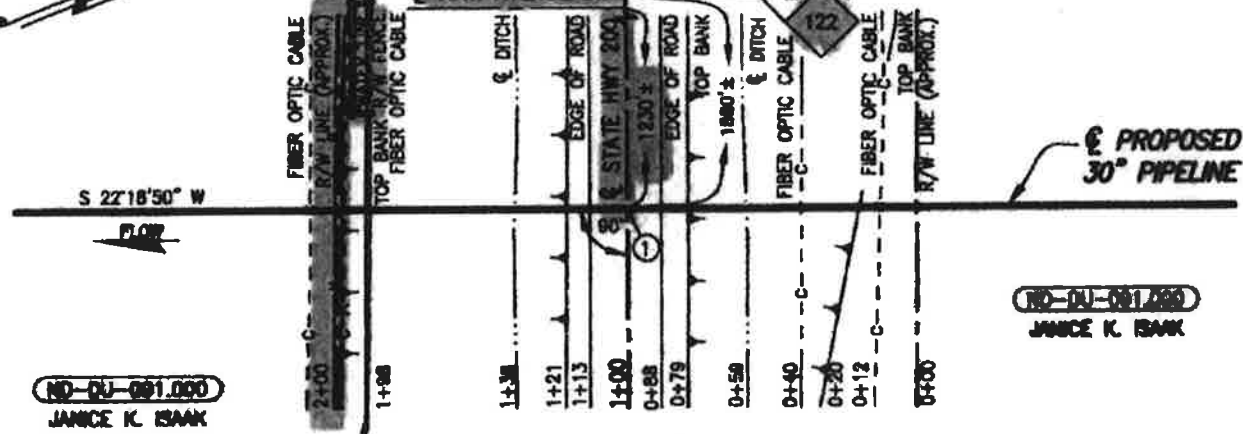
DRIVEWAY PERMIT SPECIFICATIONS

1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns: except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicant's property.
6. No driveway, or improvement constructed on the highway right-of-way shall be altered or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. **Wetland:** The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that 1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, 2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, 3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
12. That in the event of breach of any of the above non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
13. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
14. District Engineer to provide copy of approved permit to NDDOT, Planning and Asset Management, Pavement Management Division.

DUNN COUNTY, NORTH DAKOTA

SECTION 9, TOWNSHIP 144 NORTH, RANGE 91 WEST

79TH AVENUE SW



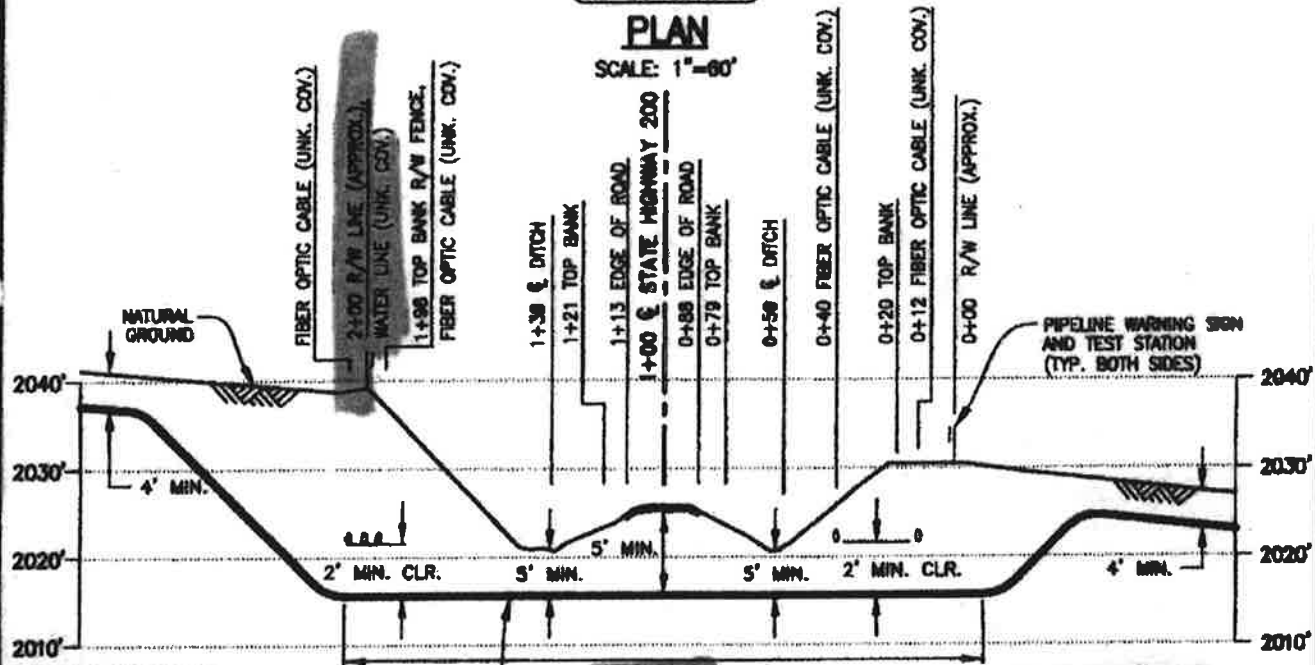
ND-DU-081.000
JANICE K. ISAAC

ND-DU-081.080
JANICE K. ISAAC

ND-DU-091.900

PLAN

SCALE: 1"=80'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 78,000 PSI

PROFILE
 SCALE: 1"=80' HORIZ.
 1"=20' VERT.

① X=232885.00
 Y=17203488.79
NOTE:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOD 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 79TH AVENUE SW
 AT STA. 1+00, ELEV. 2025.78'

REV.	DATE	BY	DESCRIPTION	CHK.
F	10/30/15	MM	ISSUED FOR USE/PERMIT	RC
E	10/13/15	GP	ISSUED FOR USE/PERMIT	RC
D	10/02/15	PRV	ISSUED FOR USE/PERMIT	RC
C	05/12/15	GP	ISSUED FOR USE/PERMIT	RC

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 200

PROJECT NO. 10395700


DUNN COUNTY NORTH DAKOTA

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM #27C

DRAWN BY: PRV	DATE: 09/18/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-081.900	F
SCALE: AS SHOWN	APP: RC		

FILE: \\V:\V\Projects\103957\103957.dwg DATE: 10/30/2015 BY: MULLER, MIKE
 N COUNTY\103957-90-ND-DU-081.900.dwg PLOT DATE: 10/30/2015 BY: MULLER, MIKE

HWY 200



placed approx 100' from
Pipeline centerline as the terrain
is less slope as we move
East of centerline of pipeline

Figure 6H-13. Temporary Road Closure (TA-13)

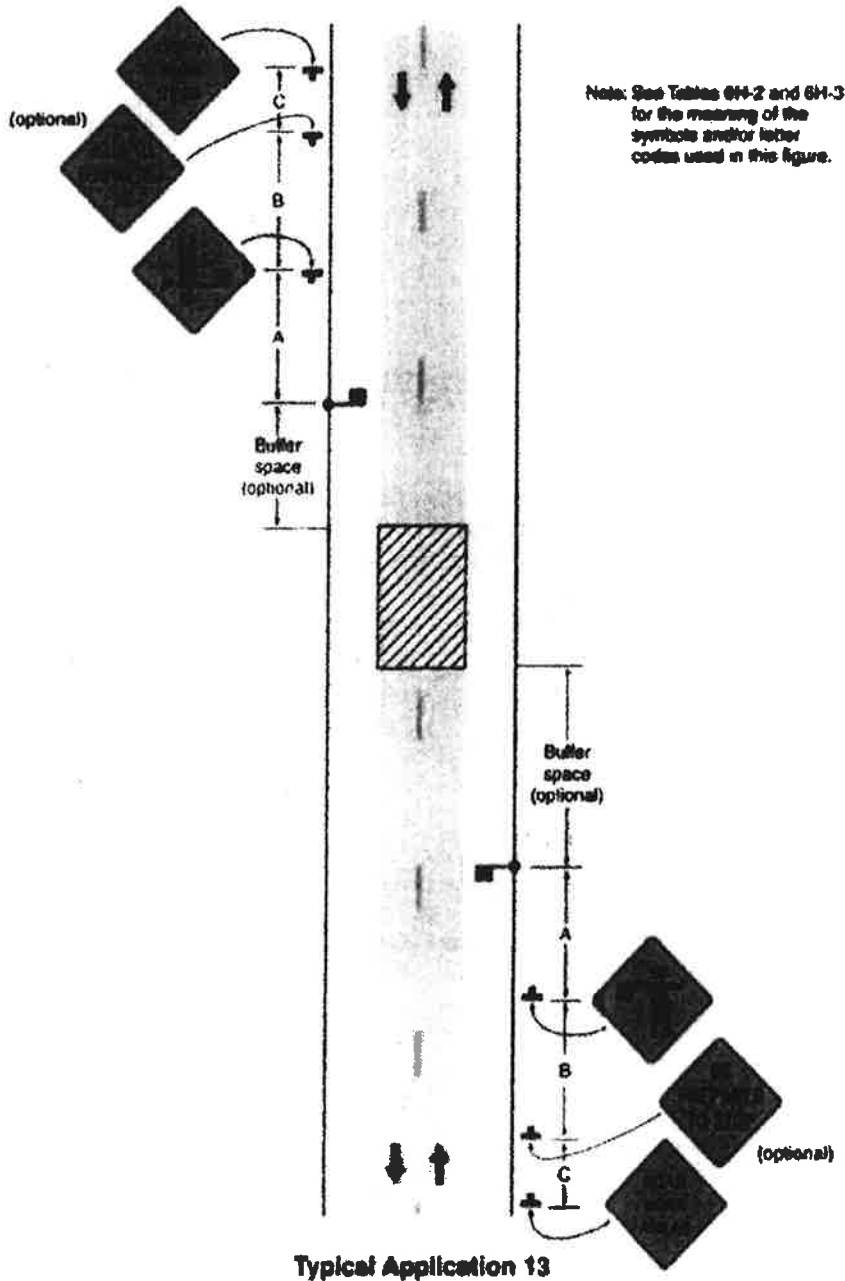


Table 6E-1. Stopping Sight Distance as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

These distances may be increased for downgrades and other conditions that affect stopping distances.

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by the highway agency

** The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

TRAFFIC CONTROL SAFETY MEASURES

WORKING IN AREAS WITH LIMITED VISIBILITY OR LARGE TRAFFIC VOLUMES

- Place additional flaggers equipped with two-way radios; additional flaggers placed at the crest of the hill to better warn public and allow additional protection for construction crews. By placing additional flagger in a position to see advanced warning signs, the flagger and construction crew, we are able to safely control traffic in both hills and curves. Routinely, we will use multiple flaggers even where visibility is not limited simply to make ourselves more visible and allow traffic additional time to slow and /or stop.

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09





CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Old Republic Insurance Company		24147
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

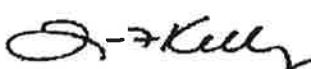
INSURED
1389319 DAKOTA ACCESS, LLC
1300 MAIN STREET
HOUSTON, TX 77002

COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GENTL. AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZ.Y 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COM/POP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
All policies (except Workers' Compensation/LL) contain a special endorsement with "Primary and Noncontributory" wording

CERTIFICATE HOLDER	CANCELLATION See Attachment
13887652 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 608 EAST BOULEVARD AVE. BISMARCK ND 58505-0700	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 

ACORD 25 (2014/01)

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AGENCY CUSTOMER ID: _____
LOC #: _____



ADDITIONAL REMARKS SCHEDULE

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC.		INSURED Brady Wind, LLC	
POLICY NUMBER			
CARRIER	NAIC CODE	ISSUE DATE: 04/08/2016	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: _____ FORM TITLE: _____

NextEra Energy Resources, LLC Schedule of Workers' Compensation Policies

New Hampshire Insurance Company:

- Policy No. WC067713064 (AOS)
- Policy No. WC067713065 (CA)
- Policy No. WC067713069 (FL)
- Policy No. WC067713070 (MA, ND, OH, WA, WI, WY)
- Policy No. WC067713066 (IL, KY, NC, NH)
- Policy No. WC067713067 (NJ, PA)
- Policy No. WC067713068 (AZ, VA)
- Policy No. WC067713071 (ME)

National Union Fire Insurance Co of Pittsburgh PA:

- Policy No. WC067713072 (OR)

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



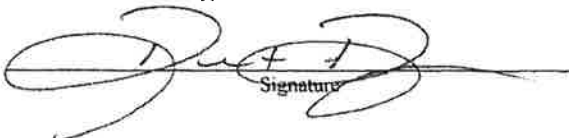
JOEL M. WITT LAWRENCE CANCL
Williston District Engineer
DICKINSON

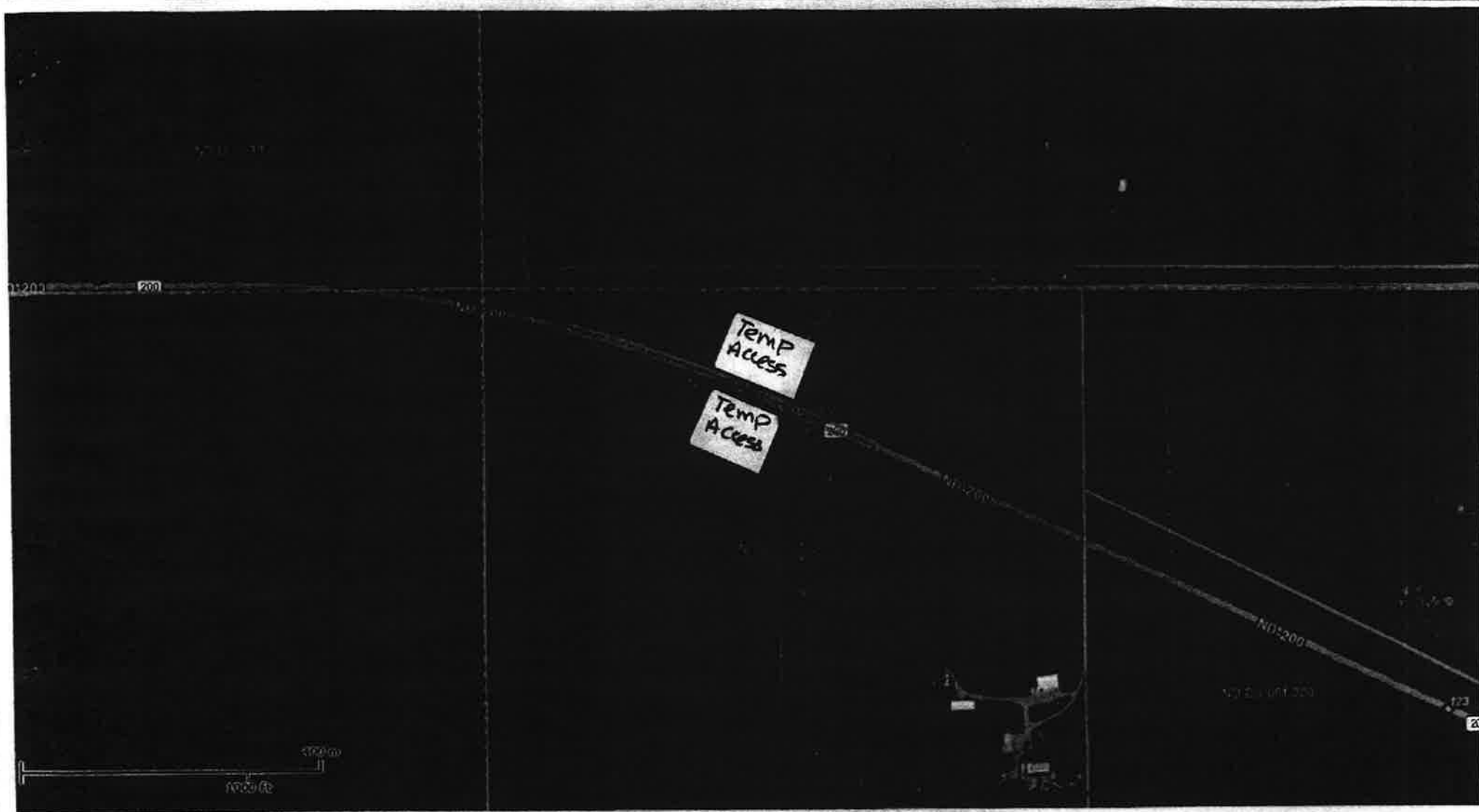
UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/16

ROBERT ROSE Vice President, Land and Right of Way
Type or Print Name & Title


Signature



ND-Du-091.900 ND 200

CLS LiNK GIS Viewer

CLS

Contract



DAKOTA ACCESS, LLC

Energy Transfer Partners, LP
1300 Main Street
Houston, TX 77002

November 19, 2015

North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, North Dakota 58505-0700

Re: Dakota Access Pipeline Project

North Dakota Department of Transportation (NDDOT) Temporary Access Drives for Construction

Dear XXXX,

The Dakota Access Pipeline Project (Project) is being permitted through the U.S. Army Corps of Engineers (USACE) nationwide permit program for Section 404 of the Clean Water Act impacts. The nationwide permit program establishes general permits for projects with minimal adverse impacts to jurisdictional waters of the U.S.

The Project has automatic coverage for temporary wetland impacts along the right-of-way under the USACE Nationwide Permit (NWP) 12- Utility Line Activities, which includes the temporary access drives for construction. Wetlands within the Project area have been field delineated by qualified biologists and based on the 2010 Regional Supplement to the USACE Wetland Delineation Manual: Great Plains Region and the routine determination guidelines provided in the USACE Wetland Delineation Manual. Dakota Access has reviewed all of the proposed locations under jurisdiction of the NDDOT and no permanent wetland impacts are anticipated. There is the potential to temporarily impact one small herbaceous wetland with this NWP coverage but impacts associated with these efforts are automatically authorized by NWP 12, are temporary in nature, and will be restored following construction. NWP 12, and the additional regional conditions, will be adhered to throughout construction and pre-construction elevations and contours would be restored as required.

If further explanation is necessary regarding our potential impacts or mitigation, or if we can be of any assistance during your review, please do not hesitate to contact me at 713-989-7186, Monica.Howard@energytransfer.com or our consultant Dennis Woods at 713-462-7121, dwoods@perennialenv.com.

Sincerely,

Dakota Access, LLC

Monica Howard
Director Environmental Sciences



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

Jack Dalrymple
Governor of North Dakota

February 19, 2016

**North Dakota
State Historical Board**

Margaret Puetz
Bismarck - President

Gerold Gertholz
*Valley City - Vice
President*

Albert I. Berger
Grand Forks - Secretary

Calvin Grinnell
New Town

Diane K. Larson
Bismarck

Chester E. Nelson, Jr.
Bismarck

A. Ruric Todd III
Jamestown

Sara Otte Coleman
*Director
Tourism Division*

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Mark Zimmerman
*Director
Parks and Recreation
Department*

Grant Levi
*Director
Department of
Transportation*

Claudia J. Berg
Director

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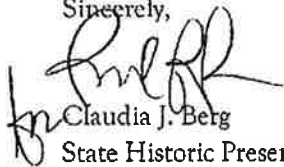
Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106c Dakota Access Pipeline Project
"Preliminary Results of the Proposed Evaluative Testing for Eligible Sites within the Cultural Resource Survey Corridor of the Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota" Report

Dear Monica:

We have received and reviewed correspondence and document 15-0106c Dakota Access Pipeline Project: "Preliminary Results of the Proposed Evaluative Testing for Eligible Sites within the Cultural Resource Survey Corridor of the Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota," by Matthew J. Landt (Alpine Archaeological Consultants, Inc.) and Patrick D. Trader (Gray & Pape, Inc.), December 2015, that is acceptable to address site significance and eligibility. As discussed in our February 9th meeting, we also received the DAPI. "Evaluation and Mitigation Plan" for those eligible and significant sites that will be impacted by the project. Thank you and we look forward to the review and receipt of outstanding final project documentation, and to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,



Claudia J. Berg
State Historic Preservation Officer (North Dakota)
and

Director, State Historical Society of North Dakota
enc. as stated
c: Dennis Woods, Perennial Environmental Services
c: Abby Payton, Perennial Environmental Services
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (pdf copy)
c: Patrick Trader, Gray & Pape, Inc. (pdf copy)



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*Accredited by the
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of Museums since 1986*

February 19, 2016

Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106f Dakota Access Pipeline Project
"Evaluation and Mitigation Plan for Cultural Resources along the Planned Dakota
Access Pipeline in Mountrail, Williams, McKenzie, Dunn, Mercer, Morton, and
Emmons Counties, North Dakota"

Dear Monica:

We have received and reviewed correspondence and document 15-0106f Dakota Access Pipeline Project: "Evaluation and Mitigation Plan for Cultural Resources along the Planned Dakota Access Pipeline in Mountrail, Williams, McKenzie, Dunn, Mercer, Morton, and Emmons Counties, North Dakota," by Matthew J. Landt (Alpine Archaeological Consultants, Inc.) and Beth McCord (Gray & Pape, Inc.), February 2016, and find it acceptable. As discussed in our February 9, 2016 meeting, we look forward to reviewing the DAPL reports of investigations. Thank you and we look forward to the review and receipt of outstanding final project documentation, and to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,

Claudia J. Berg
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
enc. as stated

c: Dennis Woods and Abby Payton, Perennial Environmental Services
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (pdf copy)
c: Beth McCord, Gray & Pape, Inc. (pdf copy)



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Director

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American Alliance
of Museums since 1986

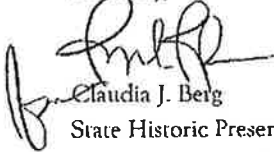
Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106g [also 14-1208] PSC Dakota Access Pipeline Project (DAPL)
Class III Reports for Cultural Resource Survey Corridor of the Proposed Dakota Access Pipeline
in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota

Dear Monica:

We have received and reviewed correspondence and documents for 15-0106g [also 14-1208] Dakota Access Pipeline Project: (1) 2014 Dakota Access Class II/III Cultural Resources Inventory, Allison Lange Mueller, Craig Picka, Matthew Terry, Dean Sather (Merjent), May 2015; (2) 2015 Dakota Access Class II/III Cultural Resources Inventory, Volume I, Allison Lange Mueller, Dean T. Sather, Craig Picka (Merjent) and Matthew J. Landt (Gray & Pape), September 2015; and, (3) 2015 Dakota Access Class II/III Cultural Resources Inventory, Volume III, Matthew J. Landt, Sara A. Millward, Michael J. Prouty, Abbie L. Harrison, Kristin Safi (Alpine Archaeological Consultants, Inc) and Patrick D. Trader, Beth McCord (Gray & Pape, Inc.), January 2016, and find them acceptable. We concur with a "No Significant Sites Affected" determination for and applicable to inventoried private and state (non-federal jurisdictional) tracts except for the site locations identified and treated in the "Evaluation and Mitigation Plan for Cultural Resources" that we find acceptable. Thank you and we look forward to further and ongoing consultation on the project. Please include the ND SHPO reference number listed above in any further correspondence for this specific project. If you have any questions, please contact either Paul Picha at (701) 328-3574 or ppicha@nd.gov or Susan Quinnell at (701) 328-3576 or squinnell@nd.gov.

Sincerely,



Claudia J. Berg
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
c: Dennis Woods and Abby Payton, Perennial Environmental Services (email pdf copy)
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (email pdf copy)
c: Patrick Trader and Beth McCord, Gray & Pape, Inc. (email pdf copy)



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

Jack Dalrymple
Governor of North Dakota

February 19, 2016

**North Dakota
State Historical Board**

Margaret Puetz
Bismarck - President

Gereld Gerntholz
*Valley City - Vice
President*

Albert I. Berger
Grand Forks - Secretary

Calvin Grinnell
New Town

Diane K. Larson
Bismarck

Chester E. Nelson, Jr.
Bismarck

A. Ruric Todd III
Jamestown

Sara Otte Coleman
*Director
Tourism Division*

Kelly Schmidt
State Treasurer

Alvin A. Jaeger
Secretary of State

Mark Zimmerman
*Director
Parks and Recreation
Department*

Grant Levi
*Director
Department of
Transportation*

Claudia J. Berg
Director

*Accredited by the
American Alliance
of Museums since 1986*

Monica Howard
Director, Environmental Sciences
Energy Transfer Partners, L.P.
6111 Westchester Drive Suite 600
Dallas, TX 75225-6142

NDSHPO Ref.: 15-0106h [also 14-1208] PSC Dakota Access Pipeline Project (DAPI.)
"Unanticipated Discoveries Plan Cultural Resources, Human Remains, Paleontological
Resources and Contaminated Media" for Corridor and Tracts of the Proposed Dakota Access
Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams Counties, North Dakota

Dear Monica:

We have received and reviewed correspondence and document for 15-0106h [also 14-1208]
Dakota Access Pipeline Project: "Unanticipated Discoveries Plan Cultural Resources, Human
Remains, Paleontological Resources and Contaminated Media" for Corridor and Tracts of the
Proposed Dakota Access Pipeline in Dunn, Emmons, McKenzie, Mercer, Morton, and Williams
Counties, North Dakota and find it acceptable.

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Director, State Historical Society of North Dakota
c: Dennis Woods and Abby Payton, Perennial Environmental Services (email pdf copy)
c: Matthew J. Landt, Alpine Archaeological Consultants, Inc. (email pdf copy)
c: Patrick Trader and Beth McCord, Gray & Pape, Inc. (email pdf copy)

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

8 St. SW (S-9/16)(T-144)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-091.910
8 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY

MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT

CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

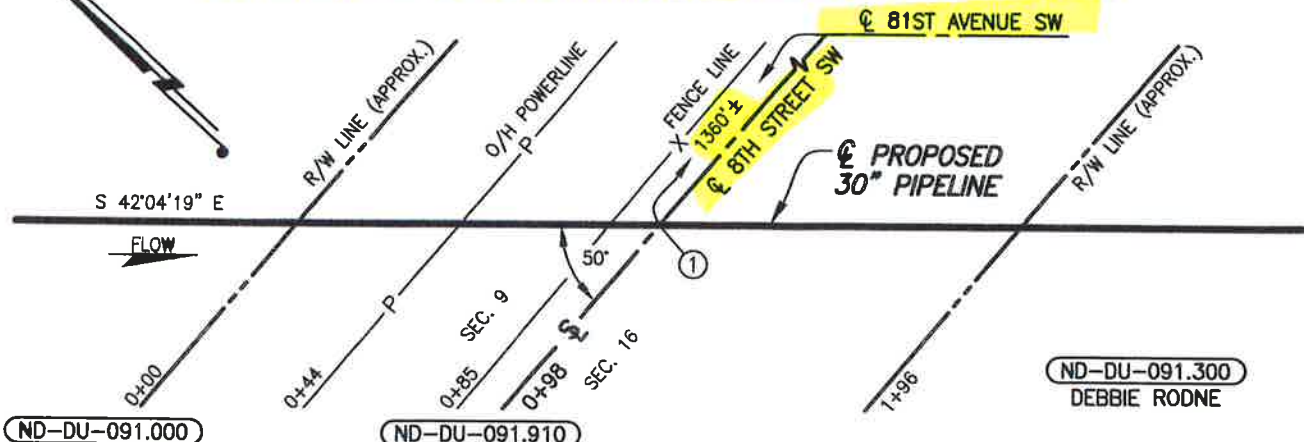
58503

Last revised 10/04/13

ND DU-091.910
8 St. SW

DUNN COUNTY, NORTH DAKOTA

SECTIONS 9 & 16, TOWNSHIP 144 NORTH, RANGE 91 WEST



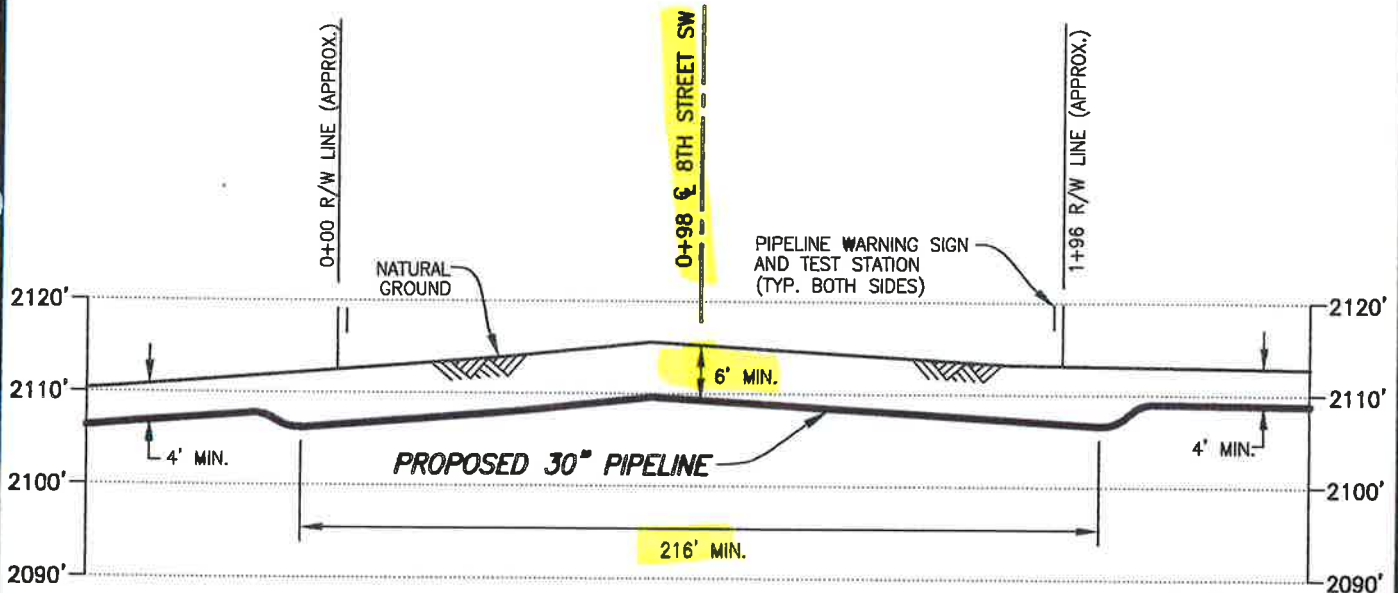
ND-DU-091.000
JANICE ISAAK

ND-DU-091.910

ND-DU-091.300
DEBBIE RODNE

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2331479.36
Y=17198765.33

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 8TH STREET SW AT STA. 0+98, ELEV. 2115.25'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING

8TH STREET SW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/28/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-091.910	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-1 1.910.dwg PLOT DATE: 2/28/2015 BY: MADAMBA, JOEY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

81 AVE SW (S-16/15) (T-144) (R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-092.910
81 AVE SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS


APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-092.910
81 ave SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
81 Ave SW	West	16	144	91	W102° 12.499'	N47° 17.807'
81 Ave SW	East	15	144	91	W102° 13.493'	N47° 17.806'

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	Yes Both	18"

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant **Vice President, Land and Right of Way**

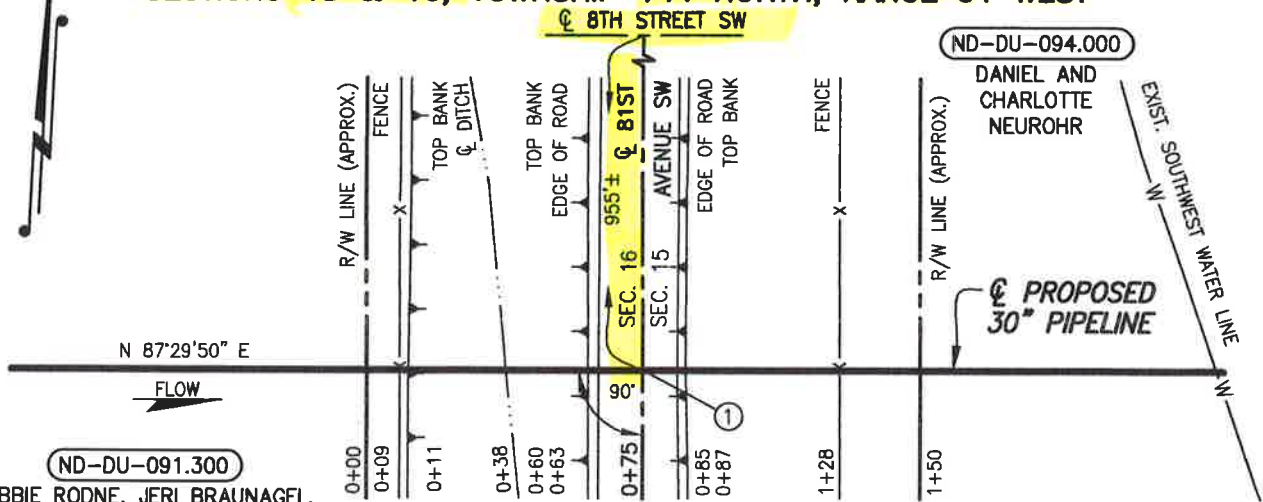

 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)
 802-989-2489

3-1-16
 Dated
 Needs Traffic Control when Crossing Road
 ND-DU-092.910
 81 Ave SW

DUNN COUNTY, NORTH DAKOTA

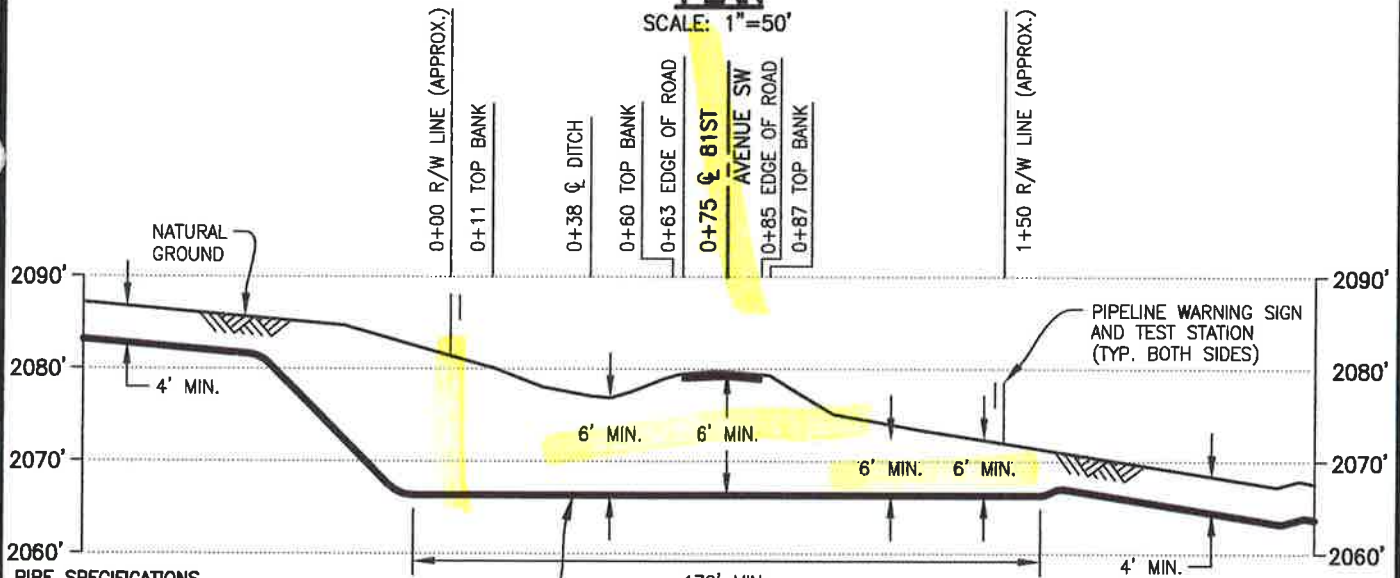
SECTIONS 15 & 16, TOWNSHIP 144 NORTH, RANGE 91 WEST



ND-DU-092.910

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 81ST AVENUE SW AT STA. 0+75, ELEV. 2079.71'

REV.	DATE	BY	DESCRIPTION	CHK.
E	12/29/15	JWH	ISSUED FOR USE/PERMIT	RC
D	07/01/15	RG	ISSUED FOR USE/PERMIT	EDF
C	03/02/15	JMH	ISSUED FOR USE/PERMIT	RC
B	01/02/15	JMH	ISSUED FOR REVIEW	



PROPOSED 30" DAPL PIPELINE CROSSING 81ST AVENUE SW

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 09/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-092.910	E
SCALE: AS SHOWN	APP.:		

:0.dwg PLOT DATE: 12/29/2015 BY: HARBOLT, JASON

C:\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-

FILE: R:\Pro...

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

80 Ave SW (S-15/14) (T-144) (R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL
PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

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TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-095.900
80 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
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- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

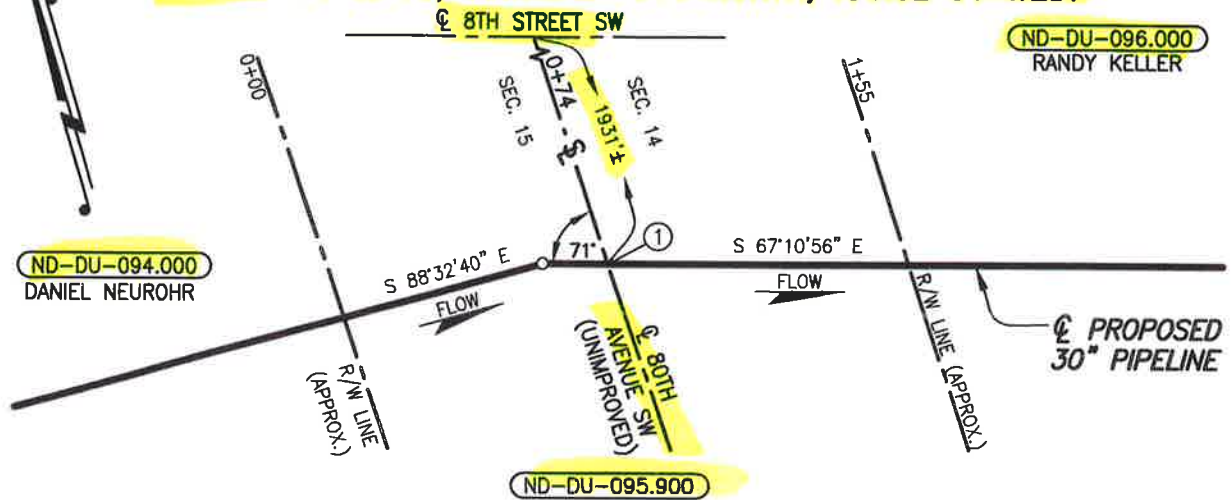
90 CLAIRE CUMVINGHAM 1100 WEISS AVENUE, BISMARCK, ND
Address that approved permit should be mailed to 58503
Cell: 802.989.2489

Last revised 10/04/13

ND-DU-095.900
80 Ave SW

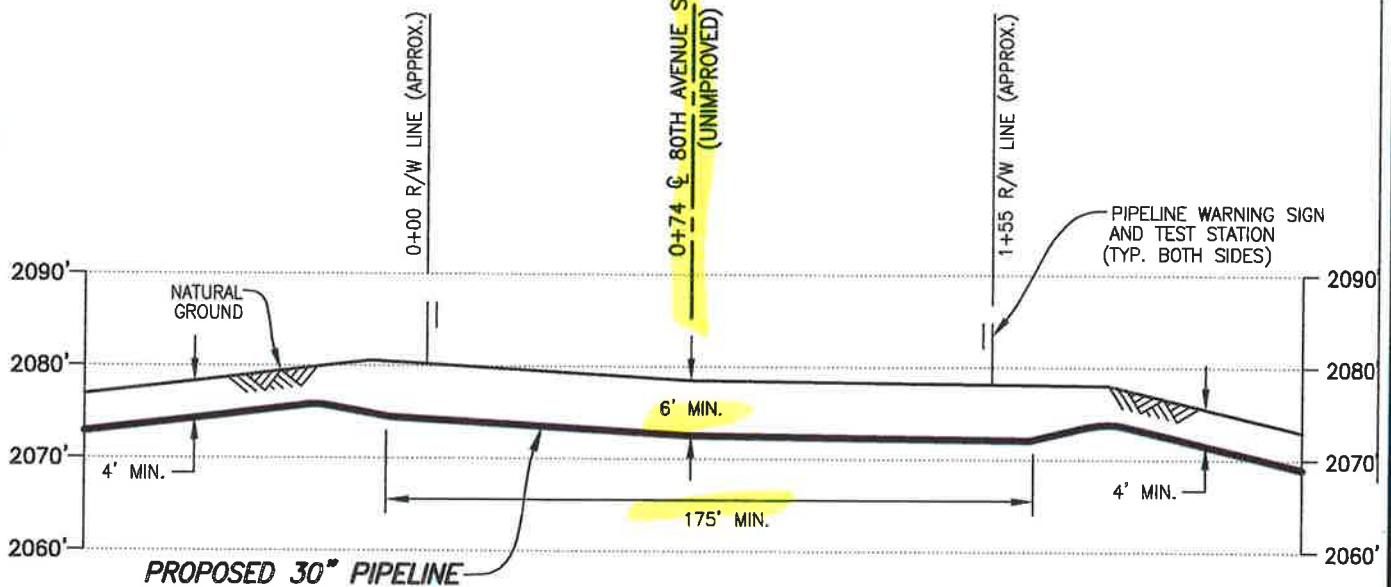
DUNN COUNTY, NORTH DAKOTA

SECTIONS 14 & 15, TOWNSHIP 144 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2338161.92
Y=17196837.95

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 80TH AVENUE SW AT STA. 0+74, ELEV. 2078.51'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	02/05/16	JWH	ISSUED FOR USE/PERMIT	RC
B	12/29/15	OP	ISSUED FOR USE/PERMIT	RG
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
80TH AVENUE SW**

DUNN COUNTY

NORTH DAKOTA

DRAWN BY: PRV	DATE: 01/29/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-095.900	C
SCALE: AS SHOWN	APP.:		

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002
(Name and Address of Applicant)

(Contact Number)

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9 ST. SW (S-14/23)(T-144)(R-91)

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PIPELINE in accordance with plans, specifications and maps attached hereto,

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Last revised 10/04/13

ND-Du-097.900
9 St. SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


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WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

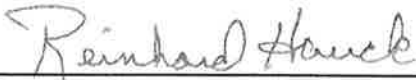
Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUNNINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

Last revised 10/04/13

58503

ND-DU-097.900

98t. SW

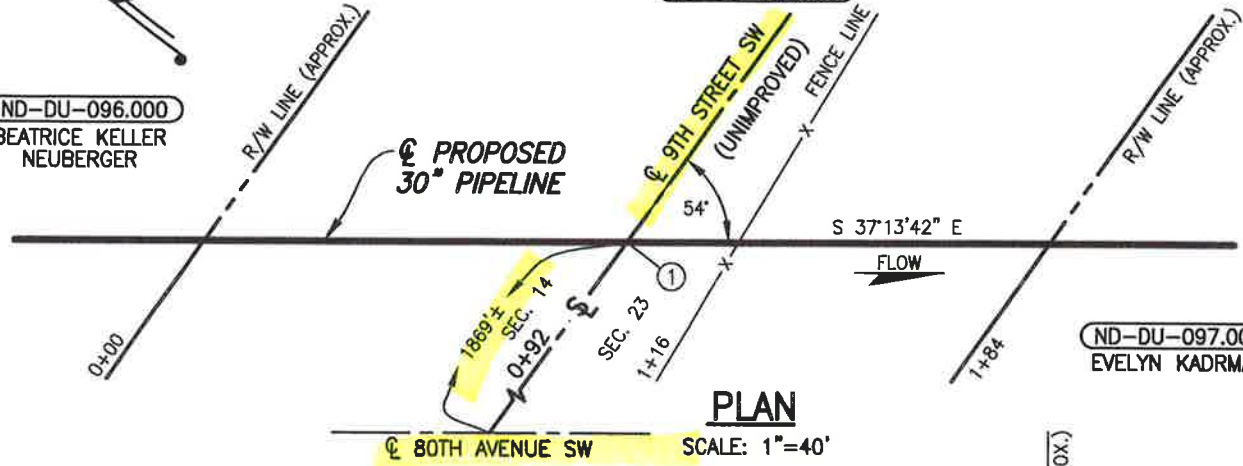
DUNN COUNTY, NORTH DAKOTA

SECTIONS 14 & 23, TOWNSHIP 144 NORTH, RANGE 91 WEST

ND-DU-096.000
BEATRICE KELLER
NEUBERGER

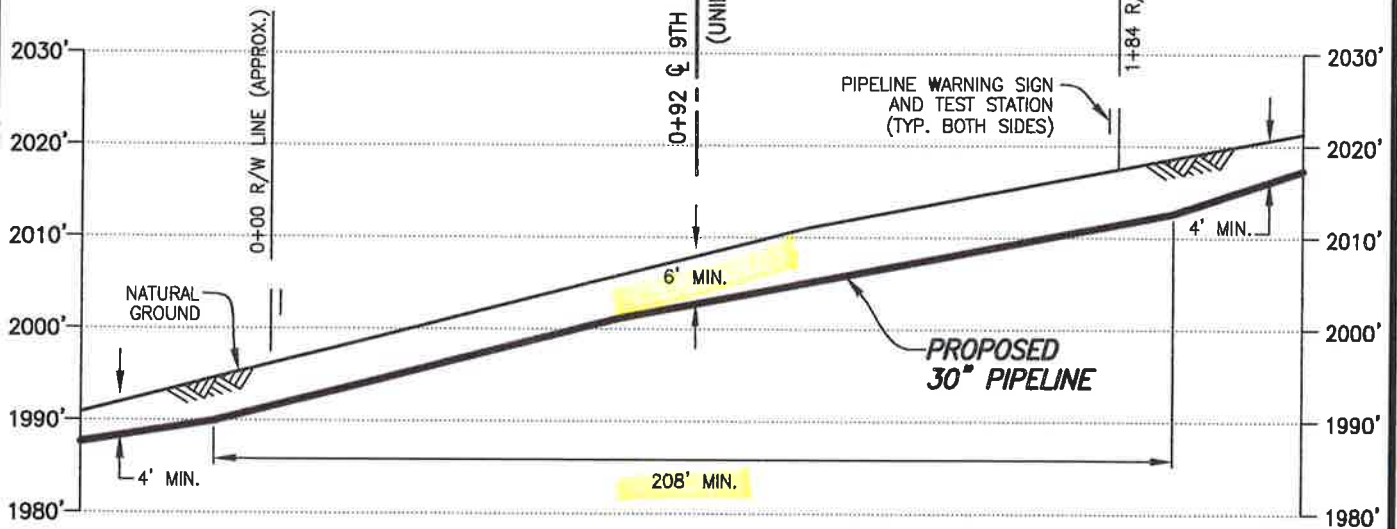
ND-DU-097.900

ND-DU-097.000
EVELYN KADRMAS



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2340186.05
Y=17193789.19

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET

T.B.M.: FENCE LINE
AT STA. 1+16, ELEV. 2011.03'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/29/15	JWH	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
9TH STREET SW (UNIMPROVED)**

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-097.900	B
SCALE: AS SHOWN	APP.:		

10.dwg PLOT DATE: 12/29/2015 BY: HARBOLT, JASON

03957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-

FILE: R:\Proj

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

79 Ave S.W (S-23/24)(T-144)(R-91)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-098910
79 Ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.


- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
 COUNTY ROAD SUPERINTENDENT



CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

Last revised 10/04/13

58503

ND-DU-098.910

79 Ave SW

DUNN COUNTY PERMIT FOR ROAD APPROACH

DUNN COUNTY ROAD DEPARTMENT
 300 CENTRAL AVE S
 KILLDEER, ND 58640
 701-764-5546

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
 Address: 1300 MAIN STREET, HOUSTON, TX 77002

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Dunn County Road right-of-way.

Temp
Temp

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
79 Ave SW	West	23	144	91		
79 Ave SW	East	24	144	91		

Approach Width (Min 24' - Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1		

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Dunn County Commissioners. All expenses incurred will be the responsibility of the applicant.


 Applicant


 County Road Supt. Approved

Claire Cunningham
 Contact # (Phone-Cell)

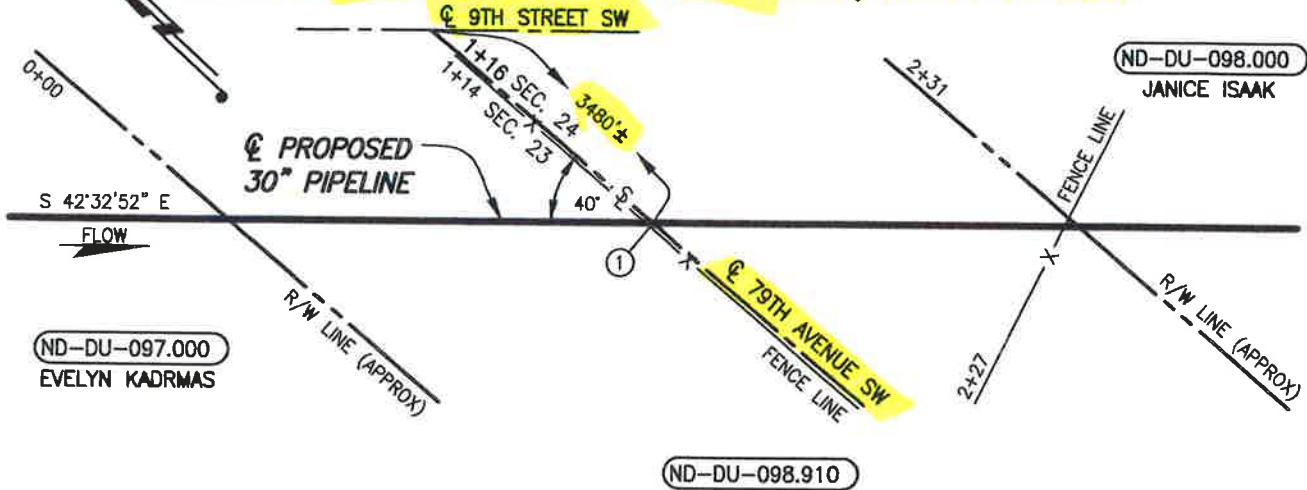
3-3-16
 Dated

NOTE: Section line ended at farmstead

ND-DU-098.910
 79 Ave SW

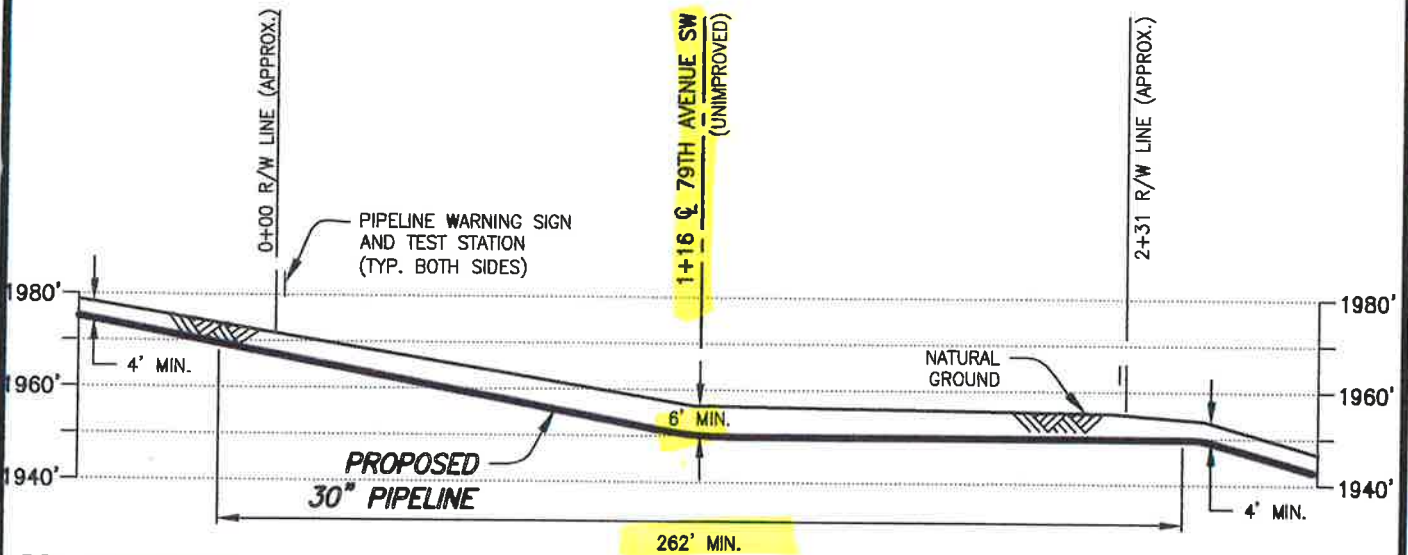
DUNN COUNTY, NORTH DAKOTA

SECTIONS 23 & 24, TOWNSHIP 144 NORTH, RANGE 91 WEST



PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=40' VERT.

① X=2343679.43
 Y=17190420.20
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 79TH AVENUE SW
 AT STA. 1+16, ELEV. 1956.54'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 79TH AVENUE SW

DUNN COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-098.910	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-PB-ND-L 3.910.dwg PLOT DATE: 2/28/2015 BY: HUMBERSON, JEREMY

DUNN COUNTY UTILITY PERMIT

Permit Fee--\$250.00

Dakota Access, LLC 1300main STREET, Houston, Tx 77002.

(Name and Address of Applicant)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

78 ave SW (S-25/30) (T-144) (R-91/90)

Facilities to be installed pursuant to this permit are CRUDE OIL

PIPELINE in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Dunn County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Dunn County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the highway right-of-way shall be done in a manner satisfactory to and subject to

Last revised 10/04/13

ND-DU-101.900
78 ave SW

supervision by the County Road Superintendent for the Dunn County Highway Department.

- (B) Dunn County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the Board of County Commissioners this 2nd day of March, 2016, at Manning, North Dakota.

APPROVAL RECOMMENDED:

DUNN COUNTY



MIKE ZIMMERMAN
COUNTY ROAD SUPERINTENDENT

CHAIRMAN, BOARD OF COUNTY COMMISSIONERS

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

90 CLAIRE CUMMINGHAM 1100 WEISS AVENUE, BISMARCK, ND

Address that approved permit should be mailed to

Cell: 802.989.2489

58503

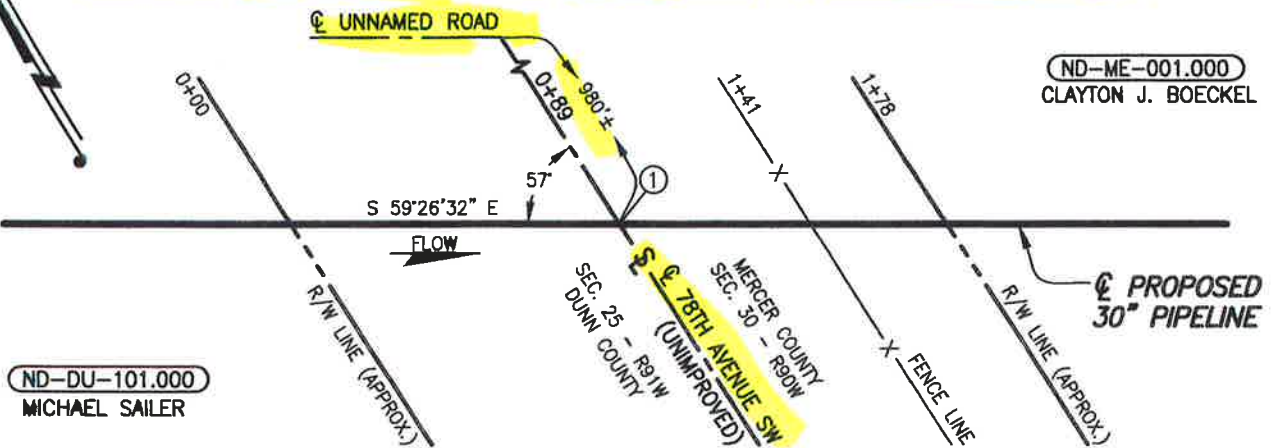
Last revised 10/04/13

ND-DU-101.900
78 AVE SW

DUNN/MERCER COUNTIES, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 144 NORTH, RANGES 90 & 91 WEST

(ND-ME-001.000)
CLAYTON J. BOECKEL

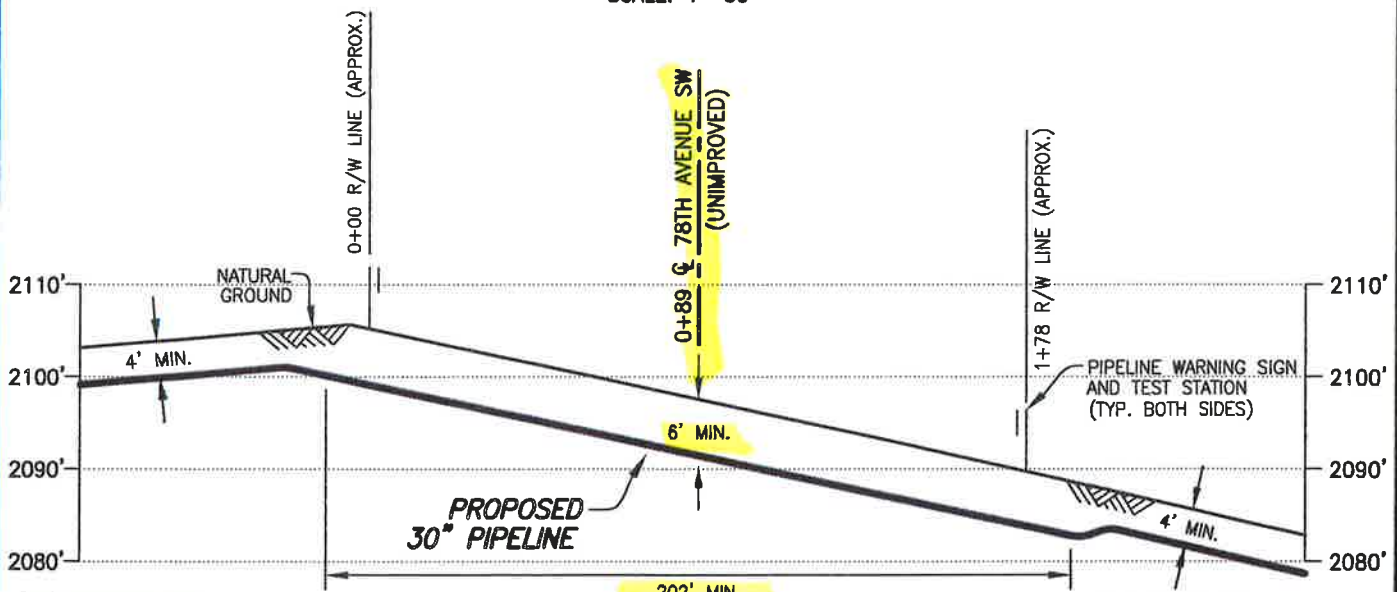


(ND-DU-101.000)
MICHAEL SAILER

(ND-DU-101.900)

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 78TH AVENUE SW (UNIMPROVED) AT STA. 0+89, ELEV. 2097.56'


\odot X=2349109.56
 Y=17185744.76

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-1.900.dwg PLOT DATE: 2/28/2015 BY: HUMBERSON, JEREMY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

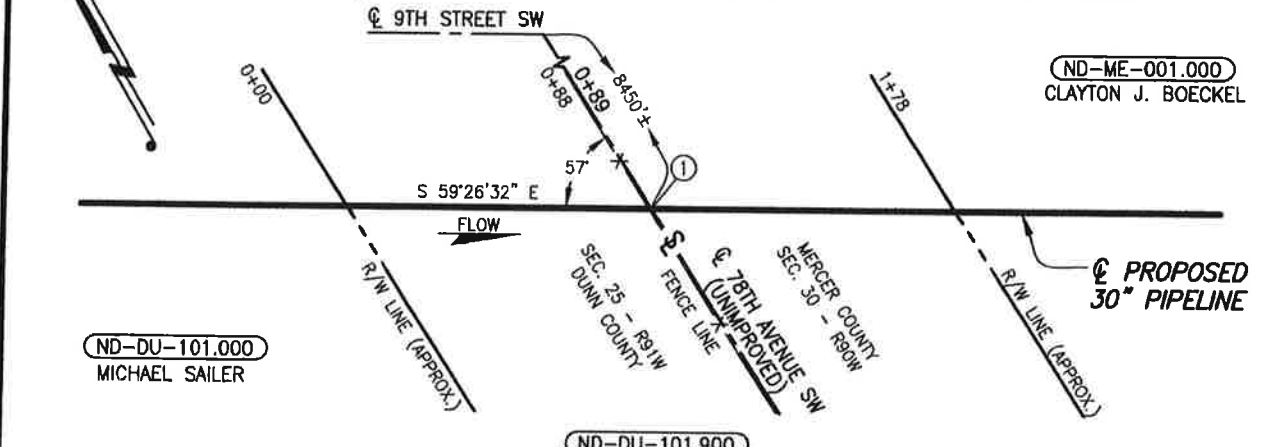
PROPOSED 30" DAPL PIPELINE CROSSING 78TH AVENUE SW (UNIMPROVED)

DUNN/MERCER COUNTIES NORTH DAKOTA

DRAWN BY: PRV	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-101.900	A
SCALE: AS SHOWN	APP.:		

DUNN/MERCER COUNTIES, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 144 NORTH, RANGES 90 & 91 WEST



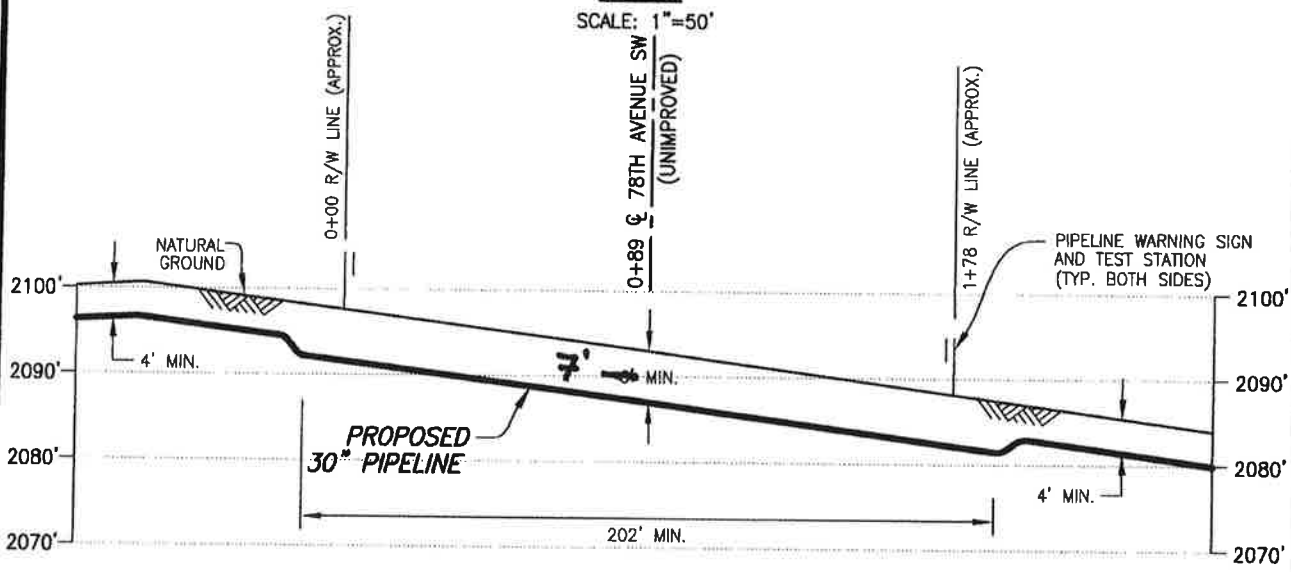
ND-ME-001.000
CLAYTON J. BOECKEL

ND-DU-101.000
MICHAEL SAILER

ND-DU-101.900

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2349155.15
Y=17185717.84

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 78TH AVENUE SW (UNIMPROVED) AT STA. 0+89, ELEV. 2092.99'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	03/03/16	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 78TH AVENUE SW (UNIMPROVED)

DUNN/MERCER COUNTIES		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-DU-101.900	B
SCALE: AS SHOWN	APP.:		

FILE R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\DUNN COUNTY\103957-P8-ND-DU-101.900.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

Utility Occupancy Application and Permit

Permit # 1616 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston, TX 77002

Mailing Address: 1300 MAIN STREET

Applicant's Agent: Claire Cunningham, Title: SR. Permits Agent, Telephone Number: 802.989.2489

Mercer County Road # 76 AVENUE SW Direction N E W miles from city of or 8450 miles from Junction Mercer County Road # 9th St. SW Section(s) 25 & 30 Township 144 Range 90/91

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT Description of proposed method of installation

RECEIVED MAR 11 2016

Table with 3 columns: Size of Facility, Number of Cables, Length of Down Guys, Pipeline Pressure, Size of Casing, Length of Casing, Location of Pole(s), Location of Appurtenances, Location-Others.

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before MAY 2017

Date: 2/11/16, Applicant Signature: [Signature], Vice President, Land and Right of Way

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 6 day of April 2016. Road Superintendent: [Signature], Chairman, Mercer County Commission: [Signature]

ND-DU-101,900